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LIGHTWEIGHT STEEL FRAMING MEMBER SELECTION TABLES

58-2018 June 2018

Prepared for: Canadian Sheet Steel Building Institute

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Preface:

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Founded in 1950, Bailey Metal Products Limited is a family owned and operated Canadian company. The Bailey Group of Companies is recognized as the industry leader, offering building solutions to both the commercial and residential construction markets. Our products include Structural Lightweight Steel Framing (LSF), Non-Loadbearing Steel Framing, Steel Framing Accessories, Connectors & Clips, COMSLAB Steel Composite Concrete Floor, Drywall Trims and Accessories.

Our team stands ready to provide products and technical support that meet your building team's needs. We would love to collaborate with you to satisfy your sound, structural or other performance requirements.



CSSBI is Canada's foremost authority on sheet steel, its products, and its many applications. They are an industry association responsible for the development and dissemination of industry standards. A source for technical information and resources, they provide expert guidance to the general public and sheet steel manufacturers alike.

Canadian Sheet Steel Building Institute • www.cssbi.ca • info@cssbi.ca • (519) 650-1285

TABLE OF CONTENTS

General Notes

Introduction	4
Product Designator	4
Manufacturer Certification and Product Marking	4
Section Geometries	5
Section Properties	6
Symbols	7
Design Examples	8

Section Properties

Stud Section Properties	12
Joist Section Properties	14
Track Section Properties	16
Curtain Wall Limiting Height Tables – Single and Double Spans	19
Combined Axial and Lateral Load Tables	36
Floor Joist Load Tables	69
Header Load Tables	78
Web Crippling Data	83
S-Section Ceiling Span Tables	86
U-Channel Section Properties	87
U-Channel Ceiling Span Tables	88
Furring Channel Section Properties	89
Furring Channel Ceiling Span Tables	90

GENERAL NOTES

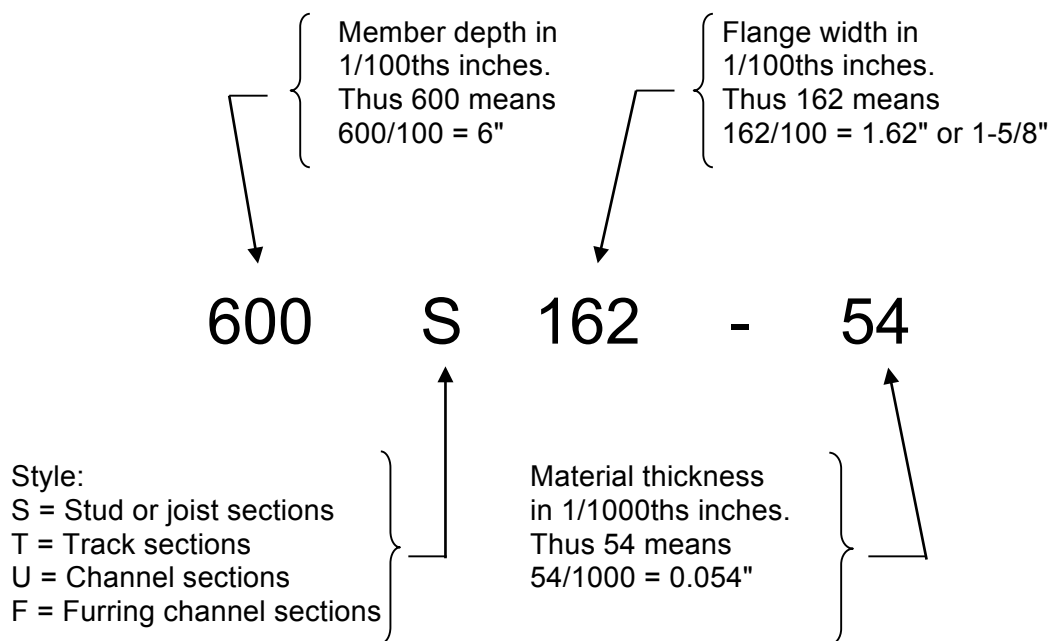
1. INTRODUCTION

The technical data in this publication is intended as an aid to the design professional and should not be used to replace the judgement of a qualified Engineer or Architect.

2. PRODUCT DESIGNATOR

Lightweight steel framing manufacturers in Canada use a common designator method for identifying their products. The designator is a four-part code that identifies depth, flange width, member type and material thickness. This designator (based on Imperial units) is used for both SI metric and Imperial units.

Example: 600S162-54



3. MANUFACTURER CERTIFICATION AND PRODUCT MARKING

- 3.1 **Lightweight steel framing manufacturers who are members of the CSSBI and adhere to the *CSSBI Manufacturer Certification Requirements for Cold Formed Steel Framing Members* are the only companies that have authorization from the CSSBI to utilize these tables.**

Under the *CSSBI Manufacturer Certification Program*, a participating manufacturer certifies that the designated structural and non-structural cold formed steel (CFS) framing members

it produces meet or exceed the relevant ASTM International (ASTM), Canadian Standards Association (CSA) and American Iron and Steel Institute (AISI) standard requirements. The manufacturer's products are validated through an independent 3rd party re-view of the products and production practices, by appropriate testing and inspection.

3.2 Marking:

Individual products shall have a legible label, stencil, or embossment on the member with the following minimum information:

- (a) Initials "CSSBI";
- (b) Manufacturer's identification (2 or 3 letters);
- (c) Designation steel thickness (in mils) exclusive of protective coatings; and,
- (d) A reference number identifying the source coil.

Example: "CSSBI-XYZ-33 ABCD" would be a 33 mil thick product manufactured by XYZ company who is a CSSBI Manufacturer Member from a coil that can be traced through the reference number "ABCD".

Additional information may also be included at the discretion of the manufacturer.

4. SECTION GEOMETRIES

4.1 Section geometries are identified by the product designator method described in Section 2.

4.2 Stud, joist, track and bridging channel members shall be cold formed to shape from sheet steel with a minimum base steel thickness and inside bend radius as follows:

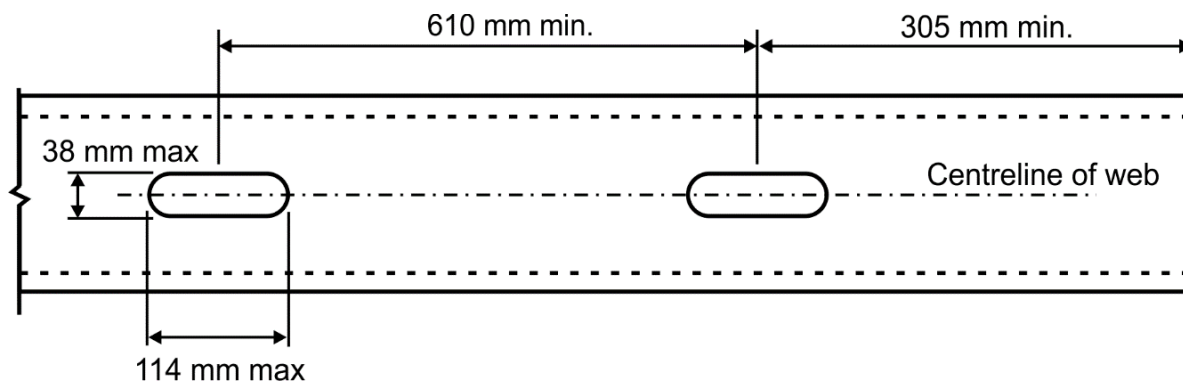
Designation Thickness (mil)	Minimum Base Steel Thickness (mm)	Base Steel Design Thickness (mm)	Inside Bend Radius (mm)
18	0.455	0.478	2.141
33	0.836	0.879	1.941
43	1.087	1.146	1.808
54	1.367	1.438	2.156
68	1.720	1.811	2.715
97	2.454	2.583	3.874

4.3 Stud and joist lip lengths are as follows:

Section	Flange Width (mm)	Lip Length (mm)
S125	31.8	4.76
S162	41.3	12.7
S200	50.8	15.9
S250	63.5	15.9
S300	76.2	15.9

5. SECTION PROPERTIES

- 5.1 Structural properties are based on Limit States Design (LSD) of the CSA Standard S136-16, *North American Specification for the Design of Cold-Formed Steel Structural Members*, 2016 edition (S136-16).
- 5.2 Steel shall conform to the requirements of S136-16, AISI S220-15 *North American Standard for Cold-Formed Steel Framing - Nonstructural Members* and AISI S240-15 *North American Standard for Cold-Formed Steel Structural Framing*. Products with a design thicknesses less than or equal to 1.146 mm shall have a minimum yield strength of 230 MPa and products with a design thicknesses equal to or greater than 1.438 mm shall have a minimum yield strength of 345 MPa.
- 5.3 Section properties are computed for the base steel design thicknesses (exclusive of coating) shown in the tables.
- 5.4 When provided, factory punchouts shall be located along the centreline of the webs of the members and shall have a minimum centre-to-centre spacing of 610 mm. Punchouts for members greater than 64 mm deep are a maximum of 38 mm wide by 114 mm in length. Any configuration or combination of holes that fit within the punchout width and length limitations stated above shall be permitted; other punchout configurations and locations not in compliance with the stated limitations must be approved by a design professional.



- 5.5 Increase in yield strength from cold work of forming has been included whenever applicable.
- 5.6 The effective moment of inertia for deflection, I_{xd} , is based on local buckling at an assumed specified live load stress of $0.6F_y$. This moment of inertia is only appropriate for checking serviceability limit states.

6. SYMBOLS

Gross Properties

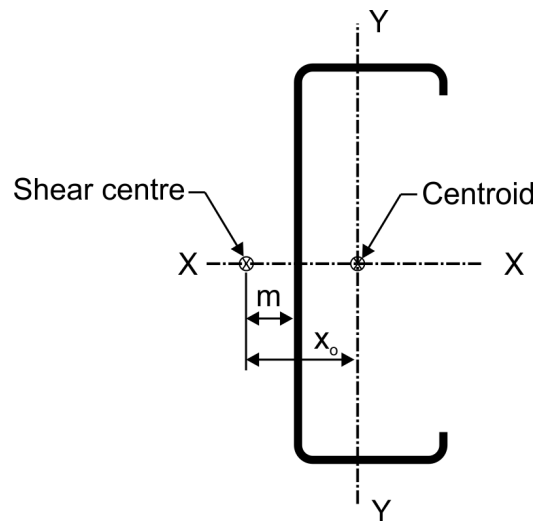
I_x	Moment of inertia about x-axis
I_y	Moment of inertia about y-axis
r_x	Radius of gyration about x-axis
r_y	Radius of gyration about y-axis
V_{rg}	Factored shear resistance along y-axis of unperforated section

Effective Properties

I_{xd}	Moment of inertia about x-axis for deflection calculations
M_{rx}	Factored moment resistance for track, U-channel and furring channel sections based on local buckling
M_{rxDB}	Factored moment resistance about x-axis based on distortional buckling, assuming $K_\phi = 0$
M_{rxLB}	Factored moment resistance about x-axis based on local buckling
M_{ryDB}	Factored moment resistance about y-axis based on distortional buckling with lip in compression
M_{ryLB}	Factored moment resistance about y-axis based on local buckling with web/lip in compression
S_{xe}	Effective section modulus about x-axis
V_{rn}	Factored shear resistance along y-axis of perforated section

Torsional and other Properties

β	$1 - (x_o/r_o)^2$
C_w	Torsional warping constant
J	Saint-Venant torsion constant.
L_u	Limiting unbraced length below which lateral-torsional buckling is not considered
m	Distance from shear centre to mid-plane of web
r_o	Polar radius of gyration about shear centre
x_o	Distance from shear centre to centroid along principle x-axis



7.2 LOAD BEARING WALL STUDS – Combined loading**Given:**

Specified (unfactored) Loads:	Axial live load (L)	= 15.0 kN/stud
	Axial dead load (D)	= 8.0 kN/stud
	Wind load (W)	= 1.25 kPa

Stud height = 3.2 m

Stud spacing = 406 mm o.c.

Deflection limit = L/600

Assume studs are braced by bridging only

Select a stud section**Solution:**Try 600S162-54 studs at 406 mm o.c.**1) Dead load only**

$$\text{Factored load combination} = 1.4D$$

$$C_f \text{ (factored axial load)} = 1.4D = 1.4(8.0) = \underline{11.2 \text{ kN/stud}}$$

From Combined Axial and Lateral Load table, the limiting factored compressive resistance for 0 kPa factored lateral load

$$C_r = \underline{36.6 \text{ kN/stud}}$$

$$\text{Since } C_r = \underline{36.6 \text{ kN/stud}} > C_f = \underline{11.2 \text{ kN/stud}} \quad \therefore \text{OK}$$

2) Dead + Wind + Live Load

$$\text{a) Factored load combination \# 1} = 1.25D + 1.5L + 0.4W$$

$$W_f \text{ (factored wind load)} = 0.4W$$

$$= 0.4(1.25) = \underline{0.5 \text{ kPa}}$$

$$C_f \text{ (factored axial load)} = 1.25D + 1.5L$$

$$= 1.25(8.0) + 1.5(15.0)$$

$$= \underline{32.5 \text{ kN/stud}}$$

From Combined Axial and Lateral Load table, the limiting factored compressive resistance for 0.50 kPa factored lateral load

$$C_r = \underline{33.7 \text{ kN/stud}}$$

$$\text{Since } C_r = \underline{33.7 \text{ kN/stud}} > C_f = \underline{32.5 \text{ kN/stud}} \quad \therefore \text{OK}$$

$$\text{b) Factored load combination \# 2} = 1.25D + 0.5L + 1.4W$$

$$W_f \text{ (factored wind load)} = 1.4W$$

$$= 1.4(1.25) = \underline{1.75 \text{ kPa}}$$

$$C_f \text{ (factored axial load)} = 1.25D + 0.5L$$

$$= 1.25(8.0) + 0.5(15.0)$$

$$= \underline{17.5 \text{ kN/stud}}$$

From Combined Axial and Lateral Load table, the limiting factored compressive resistance for 1.5 kPa and 2.0 kPa factored lateral load

$$C_r = \underline{28.0 \text{ kN/stud}} \text{ (for 1.5 kPa)}$$

$$C_r = \underline{25.3 \text{ kN/stud}} \text{ (for 2.0 kPa)}$$

$$\text{By interpolation for 1.75 kPa, } C_r = \underline{26.7 \text{ kN/stud}} > \underline{17.5 \text{ kN/stud}} \quad \therefore \text{OK}$$

3) Web crippling check

From Single Span Curtain Wall Limiting Heights table for a 1.25 kPa specified wind load, web crippling does not control.

4) Deflection check (L/600)

From Single Span Curtain Wall Limiting Heights table, the limiting stud height for a specified wind load of 1.25 kPa and a deflection limit of L/600 is 4.3 m.

Since 4.3 m > 3.2 m

∴ **OK**

Conclusion:

Use **600S162-54** section spaced at 406 mm o.c. with 2 bridging lines arranged so that the maximum spacing does not exceed 1.22 m o.c.

7.3 FLOOR JOIST – Single span**Given:**

Specified (unfactored) Loads:	Live load (L)	= 2.0 kPa
	Dead load (D)	= 0.70 kPa

Single span length = 4.8 m

Joist spacing = 406 mm o.c.

Deflection limit = L/360

Select a joist section

Solution:Strength

Factored load combination = 1.25D + 1.5L

$P_f = 1.25(0.70) + 1.5(2.0) = 3.88 \text{ kPa}$

Try 800S162-54 joists at 406 mm o.c.

From Floor Joist Load table, the factored uniformly distributed single span Strength Resistance = 4.5 kPa

Since $4.5 \text{ kPa} > 3.88 \text{ kPa}$

∴ **OK**

Deflection

From Floor Joist Load table, the specified uniformly distributed single span L/360 deflection load is 2.2 kPa

Since $2.2 \text{ kPa} > 2.0 \text{ kPa}$

∴ **OK**

Conclusion:

Use **800S162-54** section spaced at 406 mm o.c.

Web stiffeners are not required based on an end bearing length of 89 mm. If end bearing length is less than 89 mm, web crippling must be checked.

7.4 CURTAIN WALL – Single span**Given:**

Specified (unfactored) wind load = 1.5 kPa

Stud height = 3.5 m

Stud spacing = 610 mm o.c.

Deflection limit = L/360

Select a stud section

Solution:

Try 600S162-43 studs at 610 mm o.c.

From Single Span Curtain Wall Limiting Heights table under 1.5 kPa specified wind load, the limiting stud height is 3.7 m

Since $3.7\text{ m} > 3.5\text{ m}$ ∴ **OK**

Conclusion:

Use **600S162-43** section spaced at 610 mm o.c. Web stiffeners are not required.

7.5 CURTAIN WALL – Double span

Given:

Specified (unfactored) wind load = 2.5 kPa

Stud height = 3 m

Stud spacing = 610 mm o.c.

Deflection limit = L/360

Select a stud section

Solution:

Try 800S162-43 studs at 610 mm o.c.

From Double Span Curtain Wall Limiting Heights table under 2.5 kPa specified wind load, the limiting stud height is 3.1a m

Since $3.1\text{ m} > 3\text{ m}$ ∴ **OK**

Conclusion:

Use **800S162-43** section spaced at 610 mm o.c. Web stiffeners are required at end and interior supports.

7.6 USE OF WEB CRIPPLING DATA TABLE – Single Web Member

Given:

Single web C-section

Depth = 203 mm

Designation thickness = 54 mil; Base Design Thickness, t = 1.438 mm

Bearing length, N = 75 mm

Determine the factored end-one-flange (EOF) web crippling resistance.

Solution:

From the Factored Web Crippling Data table for Single Web Members

$P_{eo1} = 1.36\text{ kN}$; $P_{eo2} = 0.48\text{ kN}$

$$P_{rEOF} = P_{eo1} + P_{eo2} \sqrt{\frac{N}{t}} = 1.36 + 0.48 \sqrt{\frac{75}{1.438}} = \underline{4.83\text{ kN}}$$

Conclusion:

The factored end-one-flange (EOF) web crippling resistance, $P_{rEOF} = \underline{4.83\text{ kN}}$

Stud Designation	Lip (mm)	Base Design Thickness (mm)	F _y (MPa)	GROSS										PERFORATED EFFECTIVE										TORSIONAL					
				Mass (Kg/m)	Area (E+03) (mm ²)	I _x (E+06) (mm ⁴)	I _y (E+06) (mm ⁴)	r _x (mm)	r _y (mm)	V _g (kN)	I _{xd} (E+06) (mm ⁴)	S _{xe} (E+03) (mm ³)	M _{r,LLB} (kN-m)	M _{r,xDB} (kN-m)	V _m (kN)	M _{ry,LLB} web comp. (kN-m)	M _{ry,LB} lip comp. (kN-m)	M _{ry,DB} lip comp. (kN-m)	J (mm ⁴)	C _w (E+06) (mm ⁶)	x _o (mm)	m (mm)	r _o (mm)	β	L _u (mm)				
600S125-33	4.78	0.879	230	1.50	0.191	0.587	55.4	0.0173	9.53	3.63	0.972	3.63	1.24	0.972	3.63	0.133	49.3	80.6	15.4	10.1	58.3	0.930	699						
600S125-43	4.78	1.146	230	1.95	0.248	0.756	55.2	0.0219	9.40	8.04	0.747	9.08	1.86	1.43	7.05	0.168	109	102	15.2	9.98	58.0	0.931	693						
600S125-54	4.78	1.438	345	2.42	0.309	0.931	54.9	0.0261	9.19	16.0	0.922	11.0	3.42	2.59	11.1	0.285	213	123	14.9	9.80	57.6	0.933	556						
600S162-33	12.7	0.879	230	1.74	0.222	0.746	58.0	0.0484	14.8	3.63	0.746	9.46	1.94	1.55	3.63	0.313	57.2	231	27.2	17.2	65.7	0.828	1044						
600S162-43	12.7	1.146	230	2.26	0.288	0.964	57.8	0.0618	14.6	8.04	0.964	12.6	2.84*	2.20	7.05	0.362	126	294	27.0	17.0	65.5	0.830	988						
600S162-54	12.7	1.438	345	2.82	0.359	1.19	57.6	0.0751	14.5	16.0	1.19	15.0	5.15*	3.91	11.1	0.670	247	359	26.6	16.8	65.1	0.833	795						
600S162-68	12.7	1.811	345	3.51	0.447	1.47	57.3	0.0907	14.2	30.4	1.47	19.1	6.70*	5.28	16.4	0.836	489	437	26.2	16.6	64.6	0.835	782						
600S162-97	12.7	2.583	345	4.89	0.623	2.00	56.6	0.118	13.8	59.6	2.00	26.2	9.64*	8.07	21.7	1.13	1385	578	25.3	16.2	63.5	0.841	754						
600S200-33	15.9	0.879	230	1.92	0.244	0.864	59.4	0.087	18.9	3.63	0.850	10.2	2.08	1.77	3.63	0.410	62.9	428	37.0	22.9	72.5	0.740	1311						
600S200-43	15.9	1.146	230	2.49	0.317	1.12	59.3	0.112	18.8	8.04	1.12	14.3	2.93	2.52	7.05	0.547	139	546	36.7	22.7	72.2	0.742	1306						
600S200-54	15.9	1.438	345	3.10	0.395	1.38	59.1	0.137	18.6	16.0	1.38	16.6	5.16	4.46	11.1	1.02	272	669	36.4	22.5	71.9	0.744	1054						
600S200-68	15.9	1.811	345	3.87	0.493	1.71	58.8	0.166	18.4	30.4	1.71	21.6	7.42*	6.02	16.4	1.28	539	618	35.9	22.3	71.3	0.746	998						
600S200-97	15.9	2.583	345	5.40	0.689	2.34	58.2	0.221	17.9	59.6	2.34	30.7	11.0*	9.33	21.7	1.78	1531	1096	35.0	21.8	70.3	0.752	973						
600S250-33	15.9	0.879	230	2.09	0.267	0.992	61.0	0.148	23.6	3.63	0.941	10.6	2.18	1.85	3.63	0.565	68.7	716	47.9	29.0	81.1	0.651	1588						
600S250-43	15.9	1.146	230	2.72	0.347	1.28	60.9	0.191	23.4	8.04	1.28	15.0	3.08	2.67	7.05	0.754	152	916	47.2	28.9	80.7	0.652	1582						
600S250-54	15.9	1.438	345	3.39	0.432	1.59	60.7	0.234	23.3	16.0	1.59	17.5	5.43	4.69	11.1	1.41	298	1126	47.2	28.7	80.3	0.654	1280						
600S250-68	15.9	1.811	345	4.23	0.539	1.97	60.4	0.286	23.1	30.4	1.94	22.7	7.04	6.36	16.4	1.79	589	1382	46.8	28.4	79.8	0.657	1278						
600S250-97	15.9	2.583	345	5.92	0.754	2.70	59.9	0.384	22.6	59.6	2.70	33.8	11.8*	10.0	21.7	2.51	1677	1865	45.8	27.9	78.7	0.661	1199						
600S300-33	15.9	0.879	230	2.27	0.289	1.12	62.3	0.230	28.2	3.63	1.02	10.9	2.22	1.90	3.63	0.738	74.4	1097	59.1	35.2	90.3	0.572	1854						
600S300-43	15.9	1.146	230	2.95	0.376	1.45	62.1	0.296	28.1	8.04	1.37	15.5	3.17	2.76	7.05	0.986	164	1406	58.8	35.1	90.0	0.574	1849						
600S300-54	15.9	1.438	345	3.68	0.468	1.80	62.0	0.364	27.9	16.0	1.64	18.1	5.62	4.85	11.1	1.85	323	1733	58.4	34.8	89.6	0.575	1499						
600S300-68	15.9	1.811	345	4.59	0.585	2.23	61.7	0.448	27.7	30.4	2.11	23.7	7.35	6.61	16.4	2.35	640	2131	57.9	34.6	89.1	0.577	1496						
600S300-97	15.9	2.583	345	6.43	0.820	3.07	61.2	0.605	27.2	59.6	3.02	36.8	11.4	10.5	21.7	3.34	1823	2894	56.9	34.1	87.9	0.581	1494						
800S162-43	12.7	1.146	230	2.72	0.347	1.93	74.6	0.067	13.9	5.97	1.87	16.7	3.42	2.99	5.97	0.364	420	557	23.5	15.3	79.5	0.912	1011						
800S162-54	12.7	1.438	345	3.39	0.432	2.39	74.3	0.081	13.7	11.9	2.32	20.1	6.24	5.32	11.9	0.675	298	682	23.2	15.1	79.1	0.914	815						
800S162-68	12.7	1.811	345	4.23	0.539	2.95	74.0	0.098	13.5	24.0	2.93	27.3	8.46	7.29	19.1	0.843	589	831	22.8	14.9	78.6	0.916	808						
800S162-97	12.7	2.583	345	5.92	0.754	4.04	73.2	0.127	13.0	61.9	4.04	39.8	12.3	11.6	33.8	1.15	1222	1105	22.0	14.4	77.5	0.920	795						
800S200-43	15.9	1.146	230	2.95	0.376	2.21	76.7	0.121	18.0	5.97	2.21	21.2	4.33	3.45	5.97	0.550	164	1020	32.4	20.6	85.2	0.855	1278						
800S200-54	15.9	1.438	345	3.68	0.468	2.74	76.4	0.149	17.8	11.9	2.74	24.5	7.61	6.11	11.9	1.02	323	1252	32.1	20.4	84.8	0.856	1031						
800S200-68	15.9	1.811	345	4.59	0.585	3.39	76.1	0.181	17.6	24.0	3.39	32.2	11.1*	8.34	19.1	1.29	640	1534	31.7	20.2	84.3	0.859	975						
800S200-97	15.9	2.583	345	6.43	0.820	4.66	75.4	0.240	17.1	61.9	4.66	45.9	16.4*	13.2	33.8	1.80	1933	2063	30.8	19.7	83.3	0.863	945						
800S250-43	15.9	1.146	230	3.18	0.405	2.50	78.7	0.208	22.7	5.97	2.49	21.5	4.40	3.63	5.97	0.758	177	1712	42.5	26.5	92.3	0.787	1562						
800S250-54	15.9	1.438	345	3.96	0.505	3.11	78.5	0.256	22.5	11.9	2.98	25.0	7.75	6.41	11.9	1.42	348	2108	42.2	26.3	91.9	0.789	1262						
800S250-68	15.9	1.811	345	4.95	0.631	3.86	78.2	0.313	22.3	24.0	3.80	33.7	10.5	8.78	19.1	1.80	690	2592	41.8	26.1	91.4	0.791	1257						
800S250-97	15.9	2.583	345	6.95	0.885	5.32	77.5	0.420	21.8	61.9	5.32	50.0	17.4*	14.1	33.8	2.55	1969	3515	40.8	25.6	90.3	0.796	1176						
800S300-43	15.9	1.146	230	3.40	0.434	2.80	80.4	0.324	27.3	5.97	2.86	21.5	4.40	3.73	5.97	0.991	190	2828	53.0	32.5	100	0.719	1836						
800S300-54	15.9	1.438	345	4.25	0.541	3.48	80.2	0.399	27.2	11.9	3.19	25.1	7.80	6.59	11.9	1.86	373	3243	52.7	32.3	99.7	0.721	1486						
800S300-68	15.9	1.811	345	5.31	0.677	4.32	79.9	0.491	26.9	24.0	4.10	35.1	10.9	9.07	19.1	2.37	740	3998	52.2	32.1	99.2	0.723	1481						
800S300-97	15.9	2.583	345	7.46	0.951	5.98	79.3	0.664	26.4	61.9	5.88	54.1	16.8	14.7	33.8	3.39	2115	5452	51.2	31.6	98.1	0.727	1473						

* Cold work of forming applies

Joist Section Properties

Table Notes

- 1 Inside bend radius values are shown in the General Notes.
- 2 Gross section properties are based on the full-unreduced cross section of the joist sections, away from the punchouts.
- 3 The factored moment resistance for design is based on the lesser of local and distortional buckling. Distortional buckling is based on an assumed rotational stiffness of $K_{\phi} = 0$.

Stud Designation	Lip (mm)	Base Design Thickness (mm)	F _y (MPa)	Mass (kg/m)	GROSS					PERFORATED EFFECTIVE					TORSIONAL									
					Area (E+03) (mm ²)	I _x (E+06) (mm ⁴)	r _x (mm)	I _y (E+06) (mm ⁴)	r _y (mm)	V _g (kN)	I _{xd} (E+06) (mm ⁴)	S _{xe} (E+03) (mm ³)	M _{r,LB} (kN-m)	M _{r,DB} (kN-m)	V _m (kN)	M _{ry,LB} web comp. (kN-m)	M _{ry,OB} lip comp. (kN-m)	J (mm ⁴)	C _w (E+06) (mm ⁶)	X _o (mm)	m (mm)	r _o (mm)	β	L _u (mm)
600S162-43	12.7	1.146	230	2.26	0.288	0.964	57.8	0.0618	14.6	8.04	0.964	12.6	2.84*	2.20	7.05	0.400	0.411	126	294	27.0	17.0	65.5	0.830	991
600S162-54	12.7	1.438	345	2.82	0.359	1.19	57.6	0.0751	14.5	16.0	1.19	15.0	5.15*	3.91	11.1	0.670	0.757	247	359	26.6	16.8	65.1	0.833	798
600S162-68	12.7	1.811	345	3.51	0.447	1.47	57.3	0.0907	14.2	30.4	1.47	19.1	6.70*	5.28	16.4	0.836	0.888	489	437	26.2	16.6	64.6	0.835	782
600S162-97	12.7	2.583	345	4.89	0.623	2.00	56.6	0.118	13.8	59.6	2.00	26.2	9.64*	8.07	21.7	1.13	1.15	1385	578	25.3	16.2	63.5	0.841	757
600S200-43	15.9	1.146	230	2.49	0.317	1.12	59.3	0.112	18.8	8.04	1.12	14.3	2.93	2.52	7.05	0.547	0.614	139	546	36.7	22.7	72.2	0.742	1306
600S200-54	15.9	1.438	345	3.10	0.395	1.38	59.1	0.137	18.6	16.0	1.38	16.6	5.16	4.46	11.1	1.02	1.14	272	669	36.4	22.5	71.9	0.744	1057
600S200-68	15.9	1.811	345	3.87	0.493	1.71	58.8	0.166	18.4	30.4	1.71	21.6	7.42*	6.02	16.4	1.28	1.38	539	818	35.9	22.3	71.3	0.746	998
600S200-97	15.9	2.583	345	5.40	0.689	2.34	58.2	0.221	17.9	59.6	2.34	30.7	11.0*	9.33	21.7	1.78	1.83	1531	1096	35.0	21.8	70.3	0.752	973
600S250-43	15.9	1.146	230	2.72	0.347	1.28	60.9	0.191	23.4	8.04	1.27	15.0	3.08	2.67	7.05	0.754	0.854	152	916	47.6	28.9	80.7	0.652	1582
600S250-54	15.9	1.438	345	3.39	0.432	1.59	60.7	0.234	23.3	16.0	1.52	17.5	5.43	4.69	11.1	1.41	1.59	298	1126	47.2	28.7	80.3	0.654	1280
600S250-68	15.9	1.811	345	4.23	0.539	1.97	60.4	0.286	23.1	30.4	1.94	22.7	7.04	6.36	16.4	1.79	1.94	589	1382	46.8	28.4	79.8	0.657	1278
600S250-97	15.9	2.583	345	5.92	0.754	2.70	59.9	0.384	22.6	59.6	2.70	33.8	11.8*	10.0	21.7	2.51	2.59	1677	1865	45.8	27.9	78.7	0.661	1199
600S300-43	15.9	1.146	230	2.95	0.376	1.45	62.1	0.296	28.1	8.04	1.37	15.5	3.17	2.76	7.05	0.986	1.12	164	1406	58.8	35.1	90.0	0.574	1849
600S300-54	15.9	1.438	345	3.68	0.468	1.80	62.0	0.364	27.9	16.0	1.64	18.1	5.62	4.85	11.1	1.85	2.10	323	1733	58.4	34.8	89.6	0.575	1499
600S300-68	15.9	1.811	345	4.59	0.585	2.23	61.7	0.448	27.0	30.4	2.11	23.7	7.35	6.61	16.4	2.35	2.57	640	2131	57.9	34.6	89.1	0.577	1496
600S300-97	15.9	2.583	345	6.43	0.820	3.07	61.2	0.605	27.2	59.6	3.02	36.8	11.4	10.5	21.7	3.34	3.46	1823	2894	56.9	34.1	87.9	0.581	1494
800S162-43	12.7	1.146	230	2.72	0.347	1.93	74.6	0.0666	13.9	5.97	1.87	16.7	3.42	2.99	5.97	0.365	0.414	152	557	23.5	15.3	79.5	0.912	1011
800S162-54	12.7	1.438	345	3.39	0.432	2.39	74.3	0.0809	13.7	11.9	2.32	20.1	6.24	5.32	11.9	0.675	0.763	298	682	23.2	15.1	79.1	0.914	815
800S162-68	12.7	1.811	345	4.23	0.539	2.96	74.0	0.0976	13.5	24.0	2.93	27.3	8.46	7.29	19.1	0.844	0.920	589	831	22.8	14.9	78.6	0.916	810
800S162-97	12.7	2.583	345	5.92	0.754	4.04	73.2	0.127	13.0	61.9	4.04	39.8	12.3	11.6	33.8	1.15	1.20	1677	1105	22.0	14.4	77.5	0.920	798
800S200-43	15.9	1.146	230	2.95	0.376	2.21	76.7	0.121	18.0	5.97	2.21	21.2	4.33	3.45	5.97	0.550	0.636	164	1020	32.4	20.6	85.2	0.855	1278
800S200-54	15.9	1.438	345	3.68	0.468	2.74	76.4	0.149	17.8	11.9	2.74	24.5	7.61	6.11	11.9	1.02	1.18	323	1252	32.1	20.4	84.8	0.856	1034
800S200-68	15.9	1.811	345	4.59	0.585	3.39	76.1	0.181	17.6	24.0	3.39	32.2	11.1*	8.34	19.1	1.29	1.44	640	1534	31.7	20.2	84.3	0.859	975
800S200-97	15.9	2.583	345	6.43	0.820	4.66	75.4	0.240	17.1	61.9	4.66	45.9	16.4*	13.2	33.8	1.80	1.90	1823	2063	30.8	19.7	83.3	0.863	945
800S250-43	15.9	1.146	230	3.18	0.405	2.50	78.7	0.208	22.7	5.97	2.49	21.5	4.40	3.63	5.97	0.758	0.890	177	1712	42.5	26.5	92.3	0.787	1562
800S250-54	15.9	1.438	345	3.96	0.505	3.11	78.5	0.256	22.5	11.9	2.98	25.0	7.75	6.41	11.9	1.42	1.66	348	2108	42.2	26.3	91.9	0.789	1265
800S250-68	15.9	1.811	345	4.95	0.631	3.86	78.2	0.313	22.3	24.0	3.80	33.7	10.5	8.78	19.1	1.80	2.03	690	2592	41.8	26.1	91.4	0.791	1260
800S250-97	15.9	2.583	345	6.95	0.885	5.32	77.5	0.420	21.8	61.9	5.32	50.0	17.4*	14.1	33.8	2.55	2.71	1969	3515	40.8	25.6	90.3	0.796	1179
800S300-43	15.9	1.146	230	3.40	0.434	2.80	80.4	0.324	27.3	5.97	2.66	21.5	4.40	3.73	5.97	0.991	1.18	190	2628	53.0	32.5	100	0.719	1836
800S300-54	15.9	1.438	345	4.25	0.541	3.48	80.2	0.399	27.2	11.9	3.19	25.1	7.80	6.59	11.9	1.86	2.20	373	3243	52.7	32.3	99.7	0.721	1486
800S300-68	15.9	1.811	345	5.31	0.677	4.32	79.9	0.491	26.9	24.0	4.10	35.1	10.9	9.07	19.1	2.37	2.70	740	3998	52.2	32.1	99.2	0.723	1481
800S300-97	15.9	2.583	345	7.46	0.951	5.98	79.3	0.664	26.4	61.9	5.88	54.1	16.8	14.7	33.8	3.39	3.64	2115	5482	51.2	31.6	98.1	0.727	1473

* Cold work of forming applies

Stud Designation	Lip (mm)	Base Design Thickness (mm)	F _y (MPa)	GROSS							PERFORATED EFFECTIVE							TORSIONAL							
				Mass (kg/m)	Area (E+03) (mm ²)	I _x (E+06) (mm ⁴)	I _y (E+06) (mm ⁴)	r _x (mm)	r _y (mm)	V _{rg} (kN)	I _{xd} (E+06) (mm ⁴)	S _{xb} (E+03) (mm ³)	M _{r,LLB} (kN-m)	M _{r,DLB} (kN-m)	V _m (kN)	M _{w,LLB} web comp. (kN-m)	M _{w,DLB} lip comp. (kN-m)	J (mm ⁴)	C _w (E+06) (mm ⁶)	x ₀ (mm)	m (mm)	r ₀ (mm)	β	L _u (mm)	
1000S162-54	12.7	1.438	345	3.96	0.505	4.14	90.6	0.0851	13.0	9.43	3.87	25.7	7.99	6.58	9.43	0.677	0.777	0.948	348	1127	20.6	13.7	93.8	0.952	795
1000S162-68	12.7	1.811	345	4.95	0.631	5.13	90.2	0.103	12.8	19.0	4.96	35.3	11.0	9.14	19.0	0.847	0.939	0.948	690	1375	20.3	13.5	93.3	0.953	787
1000S162-97	12.7	2.583	345	6.95	0.885	7.06	89.3	0.133	12.3	56.0	7.06	53.6	16.6	14.9	40.8	1.16	1.22	1.23	1969	1833	19.5	13.1	92.3	0.955	772
1000S200-54	15.9	1.438	345	4.25	0.541	4.70	93.1	0.157	17.0	9.43	4.43	27.9	8.66	7.65	9.43	1.03	1.21	1.18	373	2058	28.8	18.7	99.0	0.915	1011
1000S200-68	15.9	1.811	345	5.31	0.677	5.83	92.8	0.191	16.8	19.0	5.66	39.6	12.3	10.6	19.0	1.30	1.47	1.49	740	2524	28.4	18.5	98.5	0.917	1006
1000S200-97	15.9	2.583	345	7.46	0.951	8.05	92.0	0.254	16.3	56.0	8.05	61.3	19.0	17.1	40.8	1.82	1.95	1.97	2115	3405	27.6	18.1	97.4	0.920	991
1000S250-54	15.9	1.438	345	4.54	0.578	5.28	95.6	0.272	21.7	9.43	5.08	30.8	9.55	8.08	9.43	1.42	1.70	1.46	398	3470	38.2	24.3	105	0.868	1247
1000S250-68	15.9	1.811	345	5.68	0.723	6.56	95.2	0.333	21.4	19.0	6.47	45.3	14.1	11.2	19.0	1.81	2.08	1.94	791	4272	37.8	24.1	105	0.870	1240
1000S250-97	15.9	2.583	345	7.98	1.02	9.09	94.5	0.446	21.0	56.0	9.08	68.5	23.8*	18.2	40.8	2.57	2.79	2.82	2261	5809	36.9	23.7	104	0.873	1158
1000S300-54	15.9	1.438	345	4.82	0.615	5.86	97.7	0.426	26.3	9.43	5.33	31.2	9.66	8.32	9.43	1.86	2.26	1.71	423	5341	48.1	30.1	112	0.816	1473
1000S300-68	15.9	1.811	345	6.04	0.769	7.29	97.4	0.524	26.1	19.0	6.93	45.9	14.2	11.5	19.0	2.38	2.78	2.32	841	6593	47.6	29.9	111	0.818	1468
1000S300-97	15.9	2.583	345	8.49	1.08	10.1	96.7	0.709	25.6	56.0	9.95	73.7	22.9	18.9	40.8	3.41	3.75	3.63	2407	9015	46.7	29.4	110	0.821	1458
1200S162-68	12.7	1.811	345	5.68	0.723	8.13	106	0.106	12.1	15.7	7.60	43.3	13.4	10.8	15.7	0.850	0.951	0.958	791	2078	18.3	12.3	108	0.972	767
1200S162-97	12.7	2.583	345	7.98	1.02	11.2	105	0.138	11.7	46.3	11.1	67.0	20.8	18.0	42.1	1.16	1.24	1.24	2261	2774	17.6	11.9	107	0.973	749
1200S200-68	15.9	1.811	345	6.04	0.769	9.14	109	0.199	16.1	15.7	8.62	48.5	15.1	12.5	15.7	1.30	1.49	1.50	841	3807	25.8	17.1	113	0.948	983
1200S200-97	15.9	2.583	345	8.49	1.08	12.7	108	0.264	15.6	46.3	12.5	76.3	23.7	20.8	42.1	1.82	1.98	2.00	2407	5142	25.1	16.7	112	0.950	968
1200S250-68	15.9	1.811	345	6.40	0.815	10.2	112	0.348	20.7	15.7	9.53	49.2	15.3	13.4	15.7	1.81	2.12	1.98	891	6454	34.6	22.5	119	0.915	1222
1200S250-97	15.9	2.583	345	9.01	1.15	14.2	111	0.467	20.2	46.3	14.0	82.5	25.6	22.1	42.1	2.58	2.84	2.87	2553	8790	33.8	22.0	118	0.918	1207
1200S300-68	15.9	1.811	345	6.76	0.861	11.2	114	0.549	25.2	15.7	10.7	54.3	16.9	13.9	15.7	2.39	2.83	2.36	941	9970	43.8	28.0	125	0.877	1453
1200S300-97	15.9	2.583	345	9.52	1.21	15.7	114	0.744	24.8	46.3	15.4	95.5	29.6	23.2	42.1	3.43	3.83	3.69	2699	13656	43.0	27.6	124	0.880	1440
1400S162-68	12.7	1.811	345	6.40	0.815	12.1	122	0.109	11.6	13.4	10.9	51.4	15.9	12.1	13.4	0.851	0.959	0.965	891	2945	16.6	11.4	123	0.982	747
1400S162-97	12.7	2.583	345	9.01	1.15	16.7	121	0.142	11.1	39.4	16.1	80.5	25.0	20.7	39.4	1.16	1.25	1.25	2553	3934	16.0	11.0	122	0.983	729
1400S200-68	15.9	1.811	345	6.76	0.861	13.4	125	0.206	15.4	13.4	12.3	57.4	17.8	14.3	13.4	1.30	1.51	1.51	941	5393	23.7	15.9	128	0.966	963
1400S200-97	15.9	2.583	345	9.52	1.21	18.7	124	0.273	15.0	39.4	18.0	91.4	28.4	24.1	39.4	1.83	2.00	2.01	2699	7292	23.0	15.5	127	0.967	947
1400S250-68	15.9	1.811	345	7.12	0.907	14.9	128	0.360	19.9	13.4	13.5	58.1	18.0	15.5	13.4	1.81	2.15	1.99	992	9162	31.9	21.0	134	0.943	1201
1400S250-97	15.9	2.583	345	10.0	1.28	20.7	127	0.483	19.4	39.4	20.1	98.5	30.5	25.9	39.4	2.58	2.88	2.90	2845	12492	31.1	20.6	132	0.945	1186
1400S300-68	15.9	1.811	345	7.48	0.953	16.3	131	0.570	24.5	13.4	14.3	59.8	18.6	16.2	13.4	2.39	2.88	2.40	1042	14171	40.7	26.4	139	0.915	1435
1400S300-97	15.9	2.583	345	10.6	1.34	22.8	130	0.772	24.0	39.4	21.7	104	32.4	27.1	39.4	3.44	3.89	3.74	2991	19433	39.8	25.9	138	0.917	1420

* Cold work of forming applies

Track Section Properties

Table Notes

- 1 Track web depths are equal to the nominal stud depth plus 2 times the design thickness plus the inside bend radius.
- 2 If present, hems are ignored.

Track Designation	Base Design Thickness (mm)	F _y (MPa)	Mass (kg/m)	GROSS						EFFECTIVE				TORSIONAL					
				Area (E+03) (mm ²)	I _x (E+06) (mm ⁴)	r _x (mm)	I _y (E+06) (mm ⁴)	r _y (mm)	V _{rg} (kN)	I _{xd} (E+06) (mm ⁴)	S _{xe} (E+03) (mm ³)	M _{rx} (kN-m)	J (mm ⁴)	C _w (E+06) (mm ⁶)	x ₀ (mm)	m (mm)	r ₀ (mm)	β	L _u (mm)
162T125-18	0.478	230	0.393	0.0501	0.0174	18.6	0.00545	10.4	1.72	0.0122	0.413	0.0844	3.81	1.88	22.3	12.8	30.7	0.479	645
250T125-18	0.478	230	0.476	0.0607	0.0433	26.7	0.00624	10.2	1.39	0.0319	0.726	0.149	4.61	4.84	19.5	11.7	34.5	0.682	653
362T125-18	0.478	230	0.583	0.0743	0.0990	36.5	0.00695	9.65	0.947	0.0733	1.04	0.214	5.65	11.2	16.9	10.5	41.4	0.833	653
362T125-33	0.879	230	1.07	0.137	0.182	36.5	0.0125	9.58	5.82	0.159	2.85	0.584	35.2	20.3	16.7	10.4	41.4	0.836	653
362T125-43	1.146	230	1.40	0.178	0.238	36.6	0.0161	9.53	9.89	0.219	4.01	0.822	77.8	26.3	16.6	10.3	41.1	0.838	653
362T125-54	1.438	345	1.75	0.223	0.301	36.7	0.0200	9.47	19.2	0.279	5.11	1.59	154	33.1	16.5	10.3	41.4	0.841	531
362T125-68	1.811	345	2.21	0.281	0.383	36.9	0.0248	9.40	26.8	0.375	6.99	2.17	307	41.9	16.3	10.1	41.4	0.846	533
362T125-97	2.583	345	3.14	0.400	0.559	37.4	0.0342	9.25	37.7	0.559	11.1	3.43	891	60.6	15.9	9.9	41.7	0.854	544
362T150-33	0.879	230	1.16	0.148	0.208	37.5	0.0208	11.9	5.83	0.170	2.95	0.606	38.0	33.2	21.7	13.3	45.0	0.766	785
362T150-43	1.146	230	1.51	0.192	0.271	37.5	0.0268	11.8	9.92	0.236	4.18	0.856	84.2	43.1	21.6	13.2	45.0	0.768	787
362T150-54	1.438	345	1.90	0.241	0.343	37.7	0.0333	11.8	19.2	0.302	5.33	1.66	166	54.3	21.4	13.1	45.0	0.772	640
362T150-68	1.811	345	2.39	0.304	0.437	37.9	0.0414	11.7	26.8	0.409	7.36	2.28	332	69.1	21.2	13.0	45.0	0.777	643
362T150-97	2.583	345	3.40	0.434	0.639	38.4	0.0575	11.5	37.7	0.639	12.0	3.73	964	100	20.8	12.7	45.2	0.787	655
362T200-33	0.879	230	1.33	0.170	0.258	38.9	0.0456	16.4	5.83	0.191	3.11	0.638	43.8	72.3	32.3	19.2	53.1	0.631	1041
362T200-43	1.146	230	1.74	0.221	0.336	39.0	0.0591	16.3	9.92	0.266	4.42	0.907	96.9	93.9	32.1	19.1	53.1	0.633	1044
362T200-54	1.438	345	2.18	0.278	0.426	39.1	0.0736	16.3	19.2	0.341	5.65	1.76	192	119	32.0	19.0	53.1	0.638	848
362T200-68	1.811	345	2.75	0.350	0.544	39.4	0.0918	16.2	26.8	0.466	7.87	2.44	383	151	31.8	18.9	53.1	0.643	853
362T200-97	2.583	345	3.92	0.499	0.798	40.0	0.128	16.1	37.7	0.756	13.2	4.09	1110	222	31.3	18.6	53.3	0.655	871
362T300-33	0.879	230	1.69	0.215	0.358	40.8	0.136	25.2	5.82	0.222	3.23	0.661	55.3	218	54.8	31.3	72.9	0.434	1527
362T300-43	1.146	230	2.20	0.280	0.468	40.9	0.177	25.1	9.89	0.313	4.75	0.973	122	283	54.7	31.3	72.6	0.435	1534
362T300-54	1.438	345	2.75	0.351	0.593	41.1	0.221	25.1	19.2	0.402	6.08	1.89	242	359	54.5	31.2	72.6	0.439	1247
362T300-68	1.811	345	3.47	0.442	0.759	41.4	0.277	25.0	26.8	0.556	8.51	2.64	483	459	54.3	31.0	72.6	0.443	1257
362T300-97	2.583	345	4.95	0.630	1.12	42.1	0.390	24.9	37.7	0.924	14.5	4.51	1401	676	53.7	30.7	72.6	0.453	1280
400T125-18	0.478	230	0.619	0.079	0.124	39.6	0.00712	9.50	0.859	0.0897	1.15	0.235	6.00	14.0	16.2	10.2	43.9	0.864	650
400T125-33	0.879	230	1.14	0.145	0.228	39.7	0.0129	9.42	5.34	0.200	3.29	0.674	37.3	25.4	16.0	10.1	43.9	0.867	650
400T125-43	1.146	230	1.48	0.189	0.298	39.7	0.0166	9.37	9.89	0.275	4.62	0.945	82.6	32.8	15.9	10.0	43.7	0.868	650
400T125-54	1.438	345	1.86	0.237	0.376	39.9	0.0205	9.32	19.2	0.351	5.88	1.82	163	41.3	15.8	9.9	43.9	0.871	528
400T125-68	1.811	345	2.34	0.298	0.479	40.1	0.0254	9.25	29.6	0.469	8.00	2.48	326	52.2	15.6	9.8	43.9	0.874	531
400T125-97	2.583	345	3.34	0.425	0.696	40.5	0.0350	9.09	41.8	0.696	12.6	3.91	945	75.1	15.2	9.6	44.2	0.881	536
400T150-33	0.879	230	1.23	0.156	0.259	40.7	0.0214	11.7	5.34	0.214	3.41	0.699	40.2	41.5	20.9	12.9	47.2	0.805	782
400T150-43	1.146	230	1.60	0.203	0.338	40.7	0.0276	11.6	9.92	0.296	4.80	0.984	89.0	53.8	20.8	12.8	47.2	0.807	785
400T150-54	1.438	345	2.00	0.255	0.427	40.9	0.0342	11.6	19.2	0.378	6.13	1.90	176	67.8	20.6	12.7	47.2	0.810	638
400T150-68	1.811	345	2.52	0.321	0.544	41.1	0.0425	11.5	29.6	0.510	8.41	2.61	351	86.0	20.4	12.6	47.2	0.814	640
400T150-97	2.583	345	3.59	0.458	0.792	41.6	0.0590	11.4	41.8	0.792	13.6	4.23	1018	124	20.0	12.4	47.5	0.823	650

Track Designation	Base Design Thickness (mm)	F _y (MPa)	GROSS							EFFECTIVE					TORSIONAL					
			Mass (kg/m)	Area (E+03) (mm ²)	I _x (E+06) (mm ⁴)	r _x (mm)	I _y (E+06) (mm ⁴)	r _y (mm)	V _{rg} (kN)	I _{xd} (E+06) (mm ⁴)	S _{xe} (E+03) (mm ³)	M _{rx} (kN-m)	J (mm ⁴)	C _w (E+06) (mm ⁶)	x _o (mm)	m (mm)	r _o (mm)	β	L _u (mm)	
400T200-33	0.879	230	1.40	0.179	0.320	42.3	0.0470	16.2	5.34	0.239	3.61	0.738	46.0	90.3	31.2	18.7	55.1	0.479	1041	
400T200-43	1.146	230	1.82	0.232	0.417	42.4	0.0608	16.2	9.92	0.333	5.10	1.04	102	117	31.1	18.6	54.9	0.680	1044	
400T200-54	1.438	345	2.29	0.292	0.528	42.5	0.0758	16.1	19.2	0.426	6.51	2.02	201	148	30.9	18.5	55.1	0.684	848	
400T200-68	1.811	345	2.88	0.367	0.673	42.8	0.0945	16.1	29.6	0.579	9.00	2.79	402	188	30.7	18.4	55.1	0.689	853	
400T200-97	2.583	345	4.11	0.523	0.984	43.4	0.132	15.9	41.8	0.933	14.9	4.63	1164	275	30.3	18.2	55.1	0.699	866	
400T300-33	0.879	230	1.75	0.223	0.441	44.5	0.141	25.1	5.34	0.279	3.58	0.732	57.4	271	53.4	30.8	73.9	0.478	1534	
400T300-43	1.146	230	2.28	0.291	0.576	44.5	0.183	25.1	9.89	0.391	5.47	1.12	127	352	53.3	30.7	73.9	0.479	1539	
400T300-54	1.438	345	2.86	0.365	0.730	44.7	0.228	25.0	19.2	0.501	6.99	2.17	251	446	53.1	30.6	73.9	0.482	1252	
400T300-68	1.811	345	3.60	0.459	0.932	45.1	0.286	24.9	29.6	0.689	9.73	3.02	502	570	52.9	30.5	73.7	0.487	1260	
400T300-97	2.583	345	5.14	0.655	1.37	45.7	0.403	24.8	41.8	1.14	16.5	5.11	1456	835	52.3	30.2	73.7	0.497	1280	
600T125-18	0.478	230	0.810	0.103	0.323	56.0	0.00778	8.69	0.569	0.205	1.69	0.346	7.84	35.2	13.3	8.66	58.2	0.948	632	
600T125-33	0.879	230	1.49	0.190	0.594	56.0	0.0141	8.61	3.54	0.500	4.86	0.996	48.8	63.8	13.1	8.56	58.2	0.949	630	
600T125-43	1.146	230	1.94	0.247	0.775	56.0	0.0181	8.56	7.82	0.715	7.55	1.55	108	82.4	13.0	8.51	58.2	0.950	627	
600T125-54	1.438	345	2.43	0.310	0.976	56.1	0.0224	8.51	15.5	0.912	9.70	3.01	214	103	12.9	8.43	58.2	0.951	511	
600T125-68	1.811	345	3.06	0.390	1.24	56.3	0.0278	8.43	30.4	1.21	14.1	4.36	427	130	12.8	8.36	58.4	0.952	508	
600T125-97	2.583	345	4.37	0.556	1.78	56.6	0.0383	8.31	61.9	1.78	22.1	6.85	1237	184	12.5	8.15	58.7	0.955	511	
600T150-33	0.879	230	1.58	0.201	0.662	57.4	0.0236	10.8	3.56	0.528	4.97	1.02	51.7	105	17.4	11.2	61.0	0.919	767	
600T150-43	1.146	230	2.05	0.261	0.862	57.4	0.0304	10.8	7.83	0.760	7.77	1.59	114	135	17.3	11.1	61.0	0.920	767	
600T150-54	1.438	345	2.58	0.328	1.09	57.6	0.0378	10.7	15.5	0.971	9.98	3.10	226	170	17.1	11.0	61.0	0.921	622	
600T150-68	1.811	345	3.24	0.414	1.38	57.7	0.0469	10.6	30.5	1.30	14.6	4.53	452	214	17.0	10.9	61.2	0.923	622	
600T150-97	2.583	345	4.62	0.589	1.99	58.1	0.0650	10.5	62.0	1.99	23.7	7.34	1310	305	16.7	10.7	61.5	0.926	625	
600T200-33	0.879	230	1.75	0.223	0.796	59.7	0.0526	15.3	3.56	0.624	5.46	1.12	57.4	227	26.6	16.6	67.1	0.843	1039	
600T200-43	1.146	230	2.28	0.291	1.04	59.8	0.0680	15.3	7.83	0.857	9.26	1.89	127	295	26.5	16.6	67.1	0.844	1039	
600T200-54	1.438	345	2.86	0.365	1.31	59.9	0.0847	15.2	15.5	1.09	11.7	3.65	251	371	26.4	16.5	67.3	0.846	843	
600T200-68	1.811	345	3.60	0.459	1.66	60.1	0.106	15.2	30.5	1.46	15.9	4.95	502	469	26.2	16.4	67.3	0.849	846	
600T200-97	2.583	345	5.14	0.655	2.40	60.6	0.148	15.0	62.0	2.29	25.7	7.97	1456	674	25.8	16.1	67.6	0.854	848	
600T300-33	0.879	230	2.10	0.268	1.07	63.1	0.160	24.4	3.54	0.678	5.42	1.11	68.9	677	47.1	28.2	82.3	0.674	1557	
600T300-43	1.146	230	2.74	0.349	1.39	63.1	0.207	24.4	7.82	0.995	9.10	1.86	153	880	46.9	28.2	82.3	0.675	1560	
600T300-54	1.438	345	3.44	0.438	1.75	63.3	0.259	24.3	15.5	1.27	11.8	3.67	302	1109	46.8	28.1	82.3	0.677	1267	
600T300-68	1.811	345	4.33	0.551	2.23	63.6	0.324	24.2	30.4	1.71	17.3	5.35	603	1407	46.6	27.9	82.6	0.681	1270	
600T300-97	2.583	345	6.17	0.786	3.23	64.1	0.456	24.1	61.9	2.74	28.2	8.76	1748	2036	46.1	27.7	82.6	0.688	1280	
800T125-43	1.146	230	2.40	0.305	1.57	71.7	0.0191	7.90	5.87	1.39	10.5	2.15	134	158	11.1	7.42	72.9	0.977	605	
800T125-54	1.438	345	3.01	0.383	1.98	71.8	0.0236	7.85	11.6	1.77	13.5	4.19	264	197	11.0	7.34	73.2	0.977	490	
800T125-68	1.811	345	3.79	0.483	2.50	72.0	0.0293	7.80	23.3	2.43	19.9	6.18	527	247	10.8	7.26	73.2	0.978	488	
800T125-97	2.583	345	5.40	0.688	3.59	72.2	0.0402	7.65	62.0	3.59	33.8	10.5	1529	348	10.6	7.09	73.4	0.979	485	

Track Designation	Base Design Thickness (mm)	F _y (MPa)	GROSS										EFFECTIVE						TORSIONAL					
			Mass (kg/m)	Area (E+03) (mm ²)	I _x (E+06) (mm ⁴)	r _x (mm)	I _y (E+06) (mm ⁴)	r _y (mm)	V _{rg} (kN)	I _{kd} (E+06) (mm ⁴)	S _{xe} (E+03) (mm ³)	M _{rx} (kN-m)	J (mm ⁴)	C _w (E+06) (mm ⁶)	x _o (mm)	m (mm)	r _o (mm)	β	L _u (mm)					
800T150-43	1.146	230	2.51	0.320	1.72	73.4	0.0322	10.0	5.87	1.47	10.7	2.20	140	261	14.8	9.80	75.7	0.479	744					
800T150-54	1.438	345	3.15	0.401	2.17	73.6	0.0400	9.98	11.6	1.87	13.8	4.29	276	326	14.7	9.73	75.7	0.962	605					
800T150-68	1.811	345	3.97	0.505	2.74	73.7	0.0497	9.91	23.3	2.58	20.6	6.38	552	410	14.6	9.63	75.7	0.963	602					
800T150-97	2.583	345	5.65	0.720	3.95	74.0	0.0688	9.78	62.0	3.95	35.9	11.1	1602	581	14.3	9.45	75.9	0.965	602					
800T200-43	1.146	230	2.74	0.349	2.03	76.4	0.0728	14.5	5.87	1.59	11.1	2.27	153	570	23.2	14.9	81.0	0.918	1024					
800T200-54	1.438	345	3.44	0.438	2.56	76.5	0.0907	14.4	11.6	2.03	14.3	4.43	302	715	23.1	14.8	81.3	0.919	831					
800T200-68	1.811	345	4.33	0.551	3.24	76.7	0.113	14.3	23.3	2.83	21.5	6.66	603	901	22.9	14.7	81.3	0.921	831					
800T200-97	2.583	345	6.17	0.786	4.67	77.1	0.158	14.2	62.0	4.48	38.5	11.9	1748	1287	22.6	14.5	81.5	0.923	831					
800T300-43	1.146	230	3.20	0.407	2.65	80.7	0.225	23.5	5.85	1.91	12.1	2.47	178	1700	42.1	26.0	94.0	0.800	1560					
800T300-54	1.438	345	4.01	0.511	3.34	80.9	0.281	23.4	11.6	2.46	15.7	4.86	352	2138	42.0	25.9	94.0	0.801	1267					
800T300-68	1.811	345	5.05	0.643	4.23	81.1	0.351	23.4	23.2	3.35	25.4	7.87	703	2703	41.8	25.8	94.2	0.803	1267					
800T300-97	2.583	345	7.20	0.917	6.11	81.6	0.494	23.2	61.9	5.27	42.4	13.1	2040	3886	41.4	25.6	94.5	0.808	1273					
1000T125-54	1.438	345	3.58	0.456	3.47	87.2	0.0244	7.32	9.25	2.97	17.3	5.36	314	326	9.55	6.50	88.1	0.988	470					
1000T125-68	1.811	345	4.51	0.574	4.38	87.3	0.0303	7.26	18.5	4.10	25.8	8.01	628	407	9.45	6.43	88.1	0.989	467					
1000T125-97	2.583	345	6.43	0.819	6.28	87.6	0.0416	7.14	54.1	6.28	45.1	14.0	1821	570	9.22	6.27	88.4	0.989	465					
1000T150-54	1.438	345	3.72	0.474	3.77	89.2	0.0415	9.35	9.25	3.11	17.7	5.48	327	541	12.9	8.69	90.7	0.980	584					
1000T150-68	1.811	345	4.69	0.597	4.76	89.3	0.0516	9.30	18.5	4.33	26.6	8.24	653	677	12.8	8.61	90.7	0.980	584					
1000T150-97	2.583	345	6.68	0.852	6.83	89.6	0.0714	9.17	54.1	6.83	47.6	14.8	1894	955	12.6	8.43	90.9	0.981	582					
1000T200-54	1.438	345	4.01	0.511	4.38	92.6	0.0949	13.6	9.25	3.34	18.2	5.65	352	1191	20.5	13.5	95.8	0.954	813					
1000T200-68	1.811	345	5.05	0.643	5.53	92.7	0.118	13.6	18.5	4.70	27.6	8.56	703	1497	20.4	13.4	96.0	0.955	813					
1000T200-97	2.583	345	7.20	0.917	7.94	93.1	0.165	13.4	54.1	7.65	50.5	15.7	2040	2128	20.1	13.2	96.3	0.956	810					
1000T300-54	1.438	345	4.58	0.584	5.59	97.8	0.297	22.6	9.25	3.90	19.5	6.05	402	3569	38.1	24.1	107	0.874	1260					
1000T300-68	1.811	345	5.77	0.735	7.07	98.0	0.372	22.5	18.5	5.72	31.2	9.67	804	4504	37.9	24.0	107	0.876	1260					
1000T300-97	2.583	345	8.23	1.05	10.2	98.5	0.523	22.4	54.0	8.89	58.8	18.2	2332	6447	37.5	23.7	108	0.879	1260					
1200T125-68	1.811	345	5.23	0.666	7.00	103	0.0310	6.81	15.4	6.29	31.7	9.83	728	610	8.36	5.77	103	0.993	450					
1200T125-97	2.583	345	7.46	0.950	10.0	103	0.0426	6.71	45.0	9.81	56.4	17.5	2113	852	8.18	5.64	103	0.994	447					
1200T150-68	1.811	345	5.41	0.689	7.55	105	0.0530	8.76	15.4	6.60	32.6	10.1	754	1019	11.4	7.80	106	0.988	564					
1200T150-97	2.583	345	7.71	0.983	10.8	105	0.0734	8.64	45.0	10.6	59.3	18.4	2186	1433	11.2	7.65	106	0.989	561					
1200T200-68	1.811	345	5.77	0.735	8.65	108	0.122	12.9	15.4	7.11	33.7	10.5	804	2264	18.4	12.3	111	0.972	792					
1200T200-97	2.583	345	8.23	1.05	12.4	109	0.171	12.8	45.0	11.7	62.6	19.4	2332	3208	18.1	12.1	111	0.973	790					
1200T300-68	1.811	345	6.49	0.827	10.9	115	0.388	21.6	15.4	7.92	35.0	10.9	904	6840	34.8	22.4	122	0.918	1245					
1200T300-97	2.583	345	9.26	1.18	15.6	115	0.546	21.5	44.9	13.4	66.4	20.6	2624	9763	34.4	22.1	122	0.920	1245					
1400T125-68	1.811	345	5.95	0.758	10.5	118	0.0315	6.45	13.2	9.00	37.6	11.7	829	856	7.52	5.23	118	0.996	434					
1400T125-97	2.583	345	8.49	1.08	15.0	118	0.0433	6.32	38.5	14.2	67.7	21.0	2405	1194	7.34	5.11	118	0.996	429					
1400T150-68	1.811	345	6.13	0.781	11.2	120	0.0541	8.33	13.2	9.41	38.5	12.0	854	1436	10.3	7.11	121	0.993	546					
1400T150-97	2.583	345	8.74	1.11	16.1	120	0.0748	8.20	38.5	15.3	71.0	22.0	2478	2015	10.1	6.99	121	0.993	541					
1400T200-68	1.811	345	6.49	0.827	12.7	124	0.125	12.3	13.2	10.1	39.9	12.4	904	3207	16.8	11.3	126	0.982	775					
1400T200-97	2.583	345	9.26	1.18	18.2	124	0.175	12.2	38.5	16.8	74.7	23.2	2624	4534	16.5	11.2	126	0.983	770					
1400T300-68	1.811	345	7.22	0.919	15.7	131	0.401	20.9	13.2	11.1	41.3	12.8	1005	9736	32.1	21.0	136	0.944	1229					
1400T300-97	2.583	345	10.3	1.31	22.5	131	0.563	20.7	38.4	18.9	78.9	24.5	2916	13868	31.8	20.8	136	0.946	1227					

Table Notes

- 1 For wind load deflection calculations, the SLS importance factor, $I_w = 0.75$ is incorporated in the load tables.
- 2 Studs must be braced against rotation and lateral displacement at all supports.
- 3 Studs are assumed to be adequately braced at a maximum spacing of L_u to develop the full factored moment
- 4 Web crippling check is based on 32 mm of bearing at end supports and 76 mm of bearing at interior supports.
- 5 Shear and web crippling resistance at end supports have not been reduced for punchouts. At interior supports, the shear and web crippling resistance has been reduced for the presence of punchout adjacent to the support.
- 6 Combined bending and shear check at interior support is based on the unreinforced web as per S136-16 (Eq. H2-1). Shear resistance and combined bending and shear checks at interior supports have been reduced for the presence of punchouts adjacent to the support.
- 7 In the "Double Span" tables, the listed span is the distance from either end to the centre of the interior support with the stud continuous past the interior support.

SINGLE SPAN CURTAIN WALL LIMITING HEIGHTS (m)

Specified Loads			0.25 kPa			0.50 kPa			0.75 kPa			1.00 kPa			1.25 kPa			1.50 kPa		
Stud Designation	F _y (MPa)	Spacing (mm)	L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
			800S162-43	230	305	15.0	12.8	11.2	10.2	8.9	7.5	8.6	7.8	6.6	7.5e	7.1	6.0	6.7e	6.6e	5.5
	230	406	11.7	10.2	8.6	9.2	8.1	6.8	7.5e	7.1	6.0	6.5e	6.4e	5.4	5.8e	5.8e	5.0e	5.3e	5.3e	4.7e
	230	610	10.2	8.9	7.5	7.5e	7.1	6.0	6.1e	6.1e	5.2e	5.3e	4.7e	4.7e	4.7e	4.4e	4.3e	4.3e	4.1e	
800S162-54	345	305	13.8	12.1	10.2	11.0	9.6	8.1	9.6	8.4	7.1	8.7	7.6	6.4	8.1	7.1	6.0	7.6	6.6	5.6
	345	406	12.5	11.0	9.2	10.0	8.7	7.3	8.7	7.6	6.4	7.9	6.9	5.8	7.3	6.4	5.4	6.9	6.0	5.1
	345	610	11.0	9.6	8.1	8.7	7.6	6.4	7.6	6.6	5.6	6.9	6.0	5.1	6.3	5.6	4.7	5.8e	5.3	4.4
800S162-68	345	305	14.9	13.1	11.0	11.9	10.4	8.7	10.4	9.1	7.6	9.4	8.2	6.9	8.7	7.6	6.4	8.2	7.2	6.1
	345	406	13.6	11.9	10.0	10.8	9.4	7.9	9.4	8.2	6.9	8.6	7.5	6.3	7.9	6.9	5.8	7.5	6.5	5.5
	345	610	11.9	10.4	8.7	9.4	8.2	6.9	8.2	7.2	6.1	7.5	6.5	5.5	6.9	6.1	5.1	6.5	5.7	4.8
800S162-97	345	305	16.6	14.5	12.2	13.2	11.5	9.7	11.5	10.1	8.5	10.5	9.1	7.7	9.7	8.5	7.2	9.1	8.0	6.7
	345	406	15.1	13.2	11.1	12.0	10.5	8.8	10.5	9.1	7.7	9.5	8.3	7.0	8.8	7.7	6.5	8.3	7.3	6.1
	345	610	13.2	11.5	9.7	10.5	9.1	7.7	9.1	8.0	6.7	8.3	7.3	6.1	7.7	6.7	5.7	7.3	6.3	5.4
800S200-43	230	305	16.1	13.6	11.9	10.8	9.4	7.9	9.3	8.2	6.9	8.0e	7.5e	6.3	7.2e	6.9e	5.9e	6.6e	6.5e	5.5e
	230	406	12.3	10.8	9.1	9.8	8.6	7.2	8.0e	7.5e	6.3	7.0e	6.8e	5.7e	6.2e	6.2e	5.3e	5.7e	5.7e	5.0e
	230	610	10.8	9.4	7.9	8.0e	6.3	6.6e	6.5e	5.5e	5.7e	5.7e	5.0e	5.1e	5.1e	4.6e	4.6e	4.6e	4.4e	
800S200-54	345	305	14.6	12.8	10.8	11.6	10.1	8.5	10.1	8.8	7.5	9.2	8.0	6.8	8.5	7.5	6.3	8.0	7.0	5.9
	345	406	13.3	11.6	9.8	10.5	9.2	7.8	9.2	8.0	6.8	8.4	7.3	6.2	7.8	6.8	5.7	7.3	6.4	5.4
	345	610	11.6	10.1	8.5	9.2	8.0	6.8	8.0	7.0	5.9	7.3	6.4	5.4	6.8e	5.9	5.0	6.2e	5.6	4.7
800S200-68	345	305	15.7	13.7	11.5	12.4	10.9	9.2	10.9	9.5	8.0	9.9	8.6	7.3	9.2	8.0	6.8	8.6	7.5	6.4
	345	406	14.2	12.4	10.5	11.3	9.9	8.3	9.9	8.6	7.3	9.0	7.8	6.6	8.3	7.3	6.1	7.8	6.8	5.8
	345	610	12.4	10.9	9.2	9.9	8.6	7.3	8.6	7.5	6.4	7.8	6.8	5.8	7.3	6.4	5.4	6.8	6.0	5.0
800S200-97	345	305	17.4	15.2	12.8	13.8	12.1	10.2	12.1	10.6	8.9	11.0	9.6	8.1	10.2	8.9	7.5	9.6	8.4	7.1
	345	406	15.8	13.8	11.7	12.6	11.0	9.3	11.0	9.6	8.1	10.0	8.7	7.4	9.3	8.1	6.8	8.7	7.6	6.4
	345	610	13.8	12.1	10.2	11.0	9.6	8.1	9.6	8.4	7.1	8.7	7.6	6.4	8.1	7.1	6.0	7.6	6.7	5.6
800S250-43	230	305	16.5	14.1	12.4	11.2	9.8	8.3	9.5e	8.6	7.2	8.2e	7.8e	6.6	7.4e	7.2e	6.1e	6.7e	6.7e	5.7e
	230	406	12.8	11.2	9.5	10.1	8.9	7.5	8.2e	7.8e	6.6	7.1e	7.1e	6.0e	6.4e	6.4e	5.5e	5.8e	5.8e	5.2e
	230	610	11.2	9.8	8.3	8.2e	7.8e	6.6	6.7e	6.7e	5.7e	5.8e	5.8e	5.2e	5.2e	4.8e	4.8e	4.8e	4.6e	
800S250-54	345	305	15.0	13.1	11.1	11.9	10.4	8.8	10.4	9.1	7.7	9.5	8.3	7.0	8.8	7.7	6.5	8.3	7.2	6.1
	345	406	13.7	11.9	10.1	10.8	9.5	8.0	9.5	8.3	7.0	8.6	7.5	6.3	8.0	7.0	5.9	7.5	6.6	5.5
	345	610	11.9	10.4	8.8	9.5	8.3	7.0	8.3	7.2	6.1	7.5	6.6	5.5	6.9e	6.1	5.1	6.3e	5.7e	4.8
800S250-68	345	305	16.3	14.2	12.0	12.9	11.3	9.5	11.3	9.9	8.3	10.3	9.0	7.6	9.5	8.3	7.0	9.0	7.8	6.6
	345	406	14.8	12.9	10.9	11.7	10.3	8.7	10.3	9.0	7.6	9.3	8.1	6.9	8.7	7.6	6.4	8.1	7.1	6.0
	345	610	12.9	11.3	9.5	10.3	9.0	7.6	9.0	7.8	6.6	8.1	7.1	6.0	7.6	6.6	5.6	7.1	6.2	5.2
800S250-97	345	305	18.2	15.9	13.4	14.5	12.6	10.7	12.6	11.0	9.3	11.5	10.0	8.5	10.7	9.3	7.9	10.0	8.8	7.4
	345	406	16.6	14.5	12.2	13.1	11.5	9.7	11.5	10.0	8.5	10.4	9.1	7.7	9.7	8.5	7.1	9.1	8.0	6.7
	345	610	14.5	12.6	10.7	11.5	10.0	8.5	10.0	8.8	7.4	9.1	8.0	6.7	8.5	7.4	6.2	8.0	7.0	5.9
800S300-43	230	305	16.7	14.5	12.6	11.5	10.0	8.5	9.7e	8.8	7.4	8.4e	8.0e	6.7	7.5e	7.4e	6.2e	6.8e	6.8e	5.9e
	230	406	13.1	11.5	9.7	10.2e	9.1	7.7	8.4e	8.0e	6.7	7.2e	7.2e	6.1e	6.5e	6.5e	5.7e	5.9e	5.9e	5.3e
	230	610	11.5	10.0	8.5	8.4e	8.0e	6.7	6.8e	6.8e	5.9e	5.9e	5.9e	5.3e	5.3e	5.3e	4.9e	4.8e	4.8e	4.7e
800S300-54	345	305	15.4	13.4	11.3	12.2	10.7	9.0	10.7	9.3	7.8	9.7	8.5	7.1	9.0	7.8	6.6	8.5	7.4	6.2
	345	406	14.0	12.2	10.3	11.1	9.7	8.2	9.7	8.5	7.1	8.8	7.7	6.5	8.2	7.1	6.0	7.7	6.7	5.7
	345	610	12.2	10.7	9.0	9.7	8.5	7.1	8.5	7.4	6.2	7.7	6.7	5.7	7.0e	6.2	5.3	6.4e	5.9e	4.9
800S300-68	345	305	16.7	14.6	12.3	13.3	11.6	9.8	11.6	10.1	8.5	10.5	9.2	7.8	9.8	8.5	7.2	9.2	8.0	6.8
	345	406	15.2	13.3	11.2	12.0	10.5	8.9	10.5	9.2	7.8	9.6	8.3	7.0	8.9	7.8	6.5	8.3	7.3	6.2
	345	610	13.3	11.6	9.8	10.5	9.2	7.8	9.2	8.0	6.8	8.3	7.3	6.2	7.8	6.8	5.7	7.3	6.4	5.4
800S300-97	345	305	18.8	16.5	13.9	14.9	13.1	11.0	13.1	11.4	9.6	11.9	10.4	8.7	11.0	9.6	8.1	10.4	9.1	7.6
	345	406	17.1	14.9	12.6	13.6	11.9	10.0	11.9	10.4	8.7	10.8	9.4	7.9	10.0	8.7	7.4	9.4	8.2	6.9
	345	610	14.9	13.1	11.0	11.9	10.4	8.7	10.4	9.1	7.6	9.4	8.2	6.9	8.7	7.6	6.4	8.2	7.2	6.1

NOTES:

- 1) $p = l_w \{ q C_e C_p \}$; l_w of 0.75 has been incorporated in the deflection values of the table.
The parameters in the bracket { } must be determined by the design professional in accordance with the NBCC.
- 2) "e" web stiffeners required at ends.

SINGLE SPAN CURTAIN WALL LIMITING HEIGHTS (m)

Stud Designation	Specified Loads		1.75 kPa			2.00 kPa			2.25 kPa			2.50 kPa			2.75 kPa			3.00 kPa		
	F _y (MPa)	Spacing (mm)	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
	800S162-43	230	305	5.7e	5.7e	4.9e	5.3e	5.3e	4.7e	5.0e	5.0e	4.6e	4.7e	4.7e	4.4e	4.5e	4.5e	4.3e	4.3e	4.3e
	230	406	4.9e	4.9e	4.5e	4.6e	4.6e	4.3e	4.3e	4.3e	4.1e	4.1e	4.1e	4.0e	3.9e	3.9e	3.9e	3.7e	3.7e	3.7e
	230	610	4.0e	4.0e	3.9e	3.7e	3.7e	3.7e	3.5e	3.5e	3.5e	3.3e	3.3e	3.3e	3.2e	3.2e	3.2e	3.1e	3.1e	3.1e
800S162-54	345	305	7.2	6.3	5.3	6.9	6.0	5.1	6.6	5.8	4.9	6.3	5.6	4.7	6.0	5.4	4.6	5.8e	5.3	4.4
	345	406	6.5	5.7	4.8	6.1	5.5	4.6	5.8e	5.3	4.4	5.5e	5.1e	4.3	5.2e	4.9e	4.2	5.0e	4.8e	4.0
	345	610	5.3e	5.0e	4.2	5.0e	4.8e	4.0	4.7e	4.6e	3.9e	4.5e	4.4e	3.7e	4.3e	4.3e	3.6e	4.1e	4.1e	3.5e
800S162-68	345	305	7.8	6.8	5.8	7.5	6.5	5.5	7.2	6.3	5.3	6.9	6.1	5.1	6.7	5.9	5.0	6.5	5.7	4.8
	345	406	7.1	6.2	5.2	6.8	5.9	5.0	6.5	5.7	4.8	6.3	5.5	4.6	6.1	5.3	4.5	5.8	5.2	4.4
	345	610	6.2	5.4	4.6	5.8	5.2	4.4	5.5	5.0	4.2	5.2e	4.8	4.1	5.0e	4.7	3.9	4.8e	4.5e	3.8
800S162-97	345	305	8.7	7.6	6.4	8.3	7.3	6.1	8.0	7.0	5.9	7.7	6.7	5.7	7.5	6.5	5.5	7.3	6.3	5.4
	345	406	7.9	6.9	5.8	7.6	6.6	5.6	7.3	6.3	5.4	7.0	6.1	5.2	6.8	5.9	5.0	6.6	5.8	4.9
	345	610	6.9	6.0	5.1	6.6	5.8	4.9	6.3	5.5	4.7	6.1	5.4	4.5	5.9	5.2	4.4	5.8	5.0	4.2
800S200-43	230	305	6.1e	6.1e	5.2e	5.7e	5.7e	5.0e	5.4e	5.4e	4.8e	5.1e	5.1e	4.6e	4.9e	4.9e	4.5e	4.6e	4.6e	4.4e
	230	406	5.3e	5.3e	4.8e	4.9e	4.9e	4.5e	4.6e	4.6e	4.4e	4.4e	4.4e	4.2e	4.2e	4.2e	4.1e	4.0e	4.0e	4.0e
	230	610	4.3e	4.3e	4.2e	4.0e	4.0e	4.0e	3.8e	3.8e	3.8e	3.6e	3.6e	3.6e	3.4e	3.4e	3.4e	3.3e	3.3e	3.3e
800S200-54	345	305	7.6	6.7	5.6	7.3	6.4	5.4	7.0	6.1	5.2	6.8e	5.9	5.0	6.5e	5.7	4.8	6.2e	5.6	4.7
	345	406	6.9	6.1	5.1	6.6e	5.8	4.9	6.2e	5.6	4.7	5.9e	5.4e	4.5	5.6e	5.2e	4.4	5.4e	5.1e	4.3e
	345	610	5.7e	5.3e	4.5	5.4e	5.1e	4.3e	5.0e	4.9e	4.1e	4.8e	4.7e	4.0e	4.6e	4.6e	3.8e	4.4e	4.4e	3.7e
800S200-68	345	305	8.2	7.2	6.0	7.8	6.8	5.8	7.5	6.6	5.6	7.3	6.4	5.4	7.0	6.2	5.2	6.8	6.0	5.0
	345	406	7.4	6.5	5.5	7.1	6.2	5.2	6.8	6.0	5.0	6.6	5.8	4.9	6.4	5.6	4.7	6.2	5.4	4.6
	345	610	6.5	5.7	4.8	6.2	5.4	4.6	5.9e	5.2	4.4	5.6e	5.0	4.3	5.3e	4.9e	4.1	5.1e	4.7e	4.0
800S200-97	345	305	9.1	8.0	6.7	8.7	7.6	6.4	8.4	7.3	6.2	8.1	7.1	6.0	7.8	6.8	5.8	7.6	6.7	5.6
	345	406	8.3	7.2	6.1	7.9	6.9	5.8	7.6	6.7	5.6	7.4	6.4	5.4	7.1	6.2	5.2	6.9	6.0	5.1
	345	610	7.2	6.3	5.3	6.9	6.0	5.1	6.7	5.8	4.9	6.4	5.6	4.7	6.2	5.4	4.6	6.0	5.3	4.5
800S250-43	230	305	6.2e	6.2e	5.4e	5.8e	5.8e	5.2e	5.5e	5.5e	5.0e	5.2e	5.2e	4.8e	5.0e	5.0e	4.7e	4.8e	4.8e	4.6e
	230	406	5.4e	5.4e	4.9e	5.0e	5.0e	4.7e	4.8e	4.8e	4.6e	4.5e	4.5e	4.4e	4.3e	4.3e	4.3e	4.1e	4.1e	4.1e
	230	610	4.4e	4.4e	4.3e	4.1e	4.1e	4.1e	3.9e	3.9e	3.9e	3.7e	3.7e	3.7e	3.5e	3.5e	3.5e	3.4e	3.4e	3.4e
800S250-54	345	305	7.9	6.9	5.8	7.5	6.6	5.5	7.2e	6.3	5.3	6.9e	6.1	5.1	6.6e	5.9e	5.0	6.3e	5.7e	4.8
	345	406	7.1e	6.2	5.3	6.7e	6.0e	5.0	6.3e	5.7e	4.8	6.0e	5.5e	4.7	5.7e	5.4e	4.5e	5.5e	5.2e	4.4e
	345	610	5.9e	5.4e	4.6e	5.5e	5.2e	4.4e	5.2e	5.0e	4.2e	4.9e	4.8e	4.1e	4.7e	4.7e	4.0e	4.5e	4.5e	3.8e
800S250-68	345	305	8.5	7.4	6.3	8.1	7.1	6.0	7.8	6.8	5.8	7.6	6.6	5.6	7.3	6.4	5.4	7.1	6.2	5.2
	345	406	7.7	6.8	5.7	7.4	6.5	5.5	7.1	6.2	5.2	6.9	6.0	5.1	6.7e	5.8	4.9	6.4e	5.6	4.8
	345	610	6.8	5.9	5.0	6.4e	5.6	4.8	6.0e	5.4e	4.6	5.7e	5.2e	4.4	5.5e	5.1e	4.3	5.2e	4.9e	4.2e
800S250-97	345	305	9.5	8.3	7.0	9.1	8.0	6.7	8.8	7.7	6.5	8.5	7.4	6.2	8.2	7.2	6.0	8.0	7.0	5.9
	345	406	8.7	7.6	6.4	8.3	7.2	6.1	8.0	7.0	5.9	7.7	6.7	5.7	7.4	6.5	5.5	7.2	6.3	5.3
	345	610	7.6	6.6	5.6	7.2	6.3	5.3	7.0	6.1	5.1	6.7	5.9	4.9	6.5	5.7	4.8	6.3	5.5	4.7
800S300-43	230	305	6.3e	6.3e	5.6e	5.9e	5.9e	5.3e	5.6e	5.6e	5.1e	5.3e	5.3e	4.9e	5.0e	5.0e	4.8e	4.8e	4.8e	4.7e
	230	406	5.5e	5.5e	5.1e	5.1e	5.1e	4.8e	4.8e	4.8e	4.7e	4.6e	4.6e	4.5e	4.4e	4.4e	4.4e	4.2e	4.2e	4.2e
	230	610	4.5e	4.5e	4.4e	4.2e	4.2e	4.2e	3.9e	3.9e	3.9e	3.7e	3.7e	3.7e	3.6e	3.6e	3.6e	3.4e	3.4e	3.4e
800S300-54	345	305	8.0	7.0	5.9	7.7	6.7	5.7	7.4e	6.5	5.4	7.0e	6.2	5.3	6.7e	6.0e	5.1	6.4e	5.9e	4.9
	345	406	7.3e	6.4	5.4	6.8e	6.1e	5.1	6.4e	5.9e	4.9	6.1e	5.7e	4.8e	5.8e	5.5e	4.6e	5.6e	5.3e	4.5e
	345	610	5.9e	5.6e	4.7e	5.6e	5.3e	4.5e	5.2e	5.1e	4.3e	5.0e	4.9e	4.2e	4.7e	4.7e	4.0e	4.5e	4.5e	3.9e
800S300-68	345	305	8.7	7.6	6.4	8.3	7.3	6.2	8.0	7.0	5.9	7.8	6.8	5.7	7.5	6.6	5.5	7.3	6.4	5.4
	345	406	7.9	6.9	5.8	7.6	6.6	5.6	7.3	6.4	5.4	7.0	6.2	5.2	6.8e	6.0	5.0	6.5e	5.8	4.9
	345	610	6.9e	6.1	5.1	6.5e	5.8	4.9	6.1e	5.6e	4.7	5.8e	5.4e	4.5	5.6e	5.2e	4.4e	5.3e	5.1e	4.3e
800S300-97	345	305	9.8	8.6	7.3	9.4	8.2	6.9	9.1	7.9	6.7	8.7	7.6	6.4	8.5	7.4	6.2	8.2	7.2	6.1
	345	406	8.9	7.8	6.6	8.6	7.5	6.3	8.2	7.2	6.1	7.9	6.9	5.9	7.7	6.7	5.7	7.5	6.5	5.5
	345	610	7.8	6.8	5.8	7.5	6.5	5.5	7.2	6.3	5.3	6.9	6.1	5.1	6.7	5.9	5.0	6.5	5.7	4.8

NOTES:

- 1) $p = l_w \{qC_cC_pC_s\}$; l_w of 0.75 has been incorporated in the deflection values of the table.
The parameters in the bracket { } must be determined by the design professional in accordance with the NBCC.
- 2) "e" web stiffeners required at ends.

DOUBLE SPAN CURTAIN WALL LIMITING HEIGHTS (m)

Specified Loads			1.75 kPa			2.00 kPa			2.25 kPa			2.50 kPa			2.75 kPa			3.00 kPa		
Stud Designation	F _y (MPa)	Spacing (mm)	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
800S162-43	230	305	5.7a	5.7a	5.7a	5.3a	5.3a	5.3a	5.0a	5.0a	5.0a	4.7a	4.7a	4.7a	4.4a	4.4a	4.4a	4.2a	4.2a	4.2a
	230	406	4.9a	4.9a	4.9a	4.5a	4.5a	4.5a	4.2a	4.2a	4.2a	3.9a	3.9a	3.9a	3.7a	3.7a	3.7a	3.5a	3.5a	3.5a
	230	610	3.8a	3.8a	3.8a	3.5a	3.5a	3.5a	3.3a	3.3a	3.3a	3.1a	3.1a	3.1a	2.9a	2.9a	2.9a	2.7a	2.7a	2.7a
800S162-54	345	305	7.5	7.5	7.1	7.1	7.1	6.8	6.7	6.7	6.5	6.3	6.3	6.3	6.0	6.0	6.0	5.8	5.8	5.8
	345	406	6.5	6.5	6.5	6.1	6.1	6.1	5.8	5.8	5.8	5.5i	5.5i	5.5i	5.2i	5.2i	5.2i	5.0i	5.0i	5.0i
	345	610	5.3i	5.3i	5.3i	5.0i	5.0i	5.0i	4.7i	4.7i	4.7i	4.5i	4.5i	4.5i	4.3a	4.3a	4.3a	4.0a	4.0a	4.0a
800S162-68	345	305	8.8	8.8	7.7	8.3	8.3	7.4	7.8	7.8	7.1	7.4	7.4	6.8	7.1	7.1	6.6	6.8	6.8	6.4
	345	406	7.7	7.7	7.0	7.2	7.2	6.7	6.8	6.8	6.4	6.4	6.4	6.2	6.1	6.1	6.0	5.8	5.8	5.8
	345	610	6.3	6.3	6.1	5.8	5.8	5.8	5.5	5.5	5.5	5.2	5.2	5.2	5.0i	5.0i	5.0i	4.8i	4.8i	4.8i
800S162-97	345	305	11.2	10.1	8.6	10.4	9.7	8.2	9.8	9.3	7.9	9.3	9.0	7.6	8.9	8.7	7.4	8.5	8.5	7.1
	345	406	9.7	9.2	7.8	9.0	8.8	7.4	8.5	8.5	7.1	8.1	8.1	6.9	7.7	7.7	6.7	7.4	7.4	6.5
	345	610	7.9	7.9	6.8	7.4	7.4	6.5	7.0	7.0	6.2	6.6	6.6	6.0	6.3	6.3	5.8	6.0	6.0	5.7
800S200-43	230	305	6.1a	6.1a	6.1a	5.7a	5.7a	5.7a	5.4a	5.4a	5.4a	5.1a	5.1a	5.1a	4.9a	4.9a	4.9a	4.6a	4.6a	4.6a
	230	406	5.3a	5.3a	5.3a	4.9a	4.9a	4.9a	4.6a	4.6a	4.6a	4.3a	4.3a	4.3a	4.1a	4.1a	4.1a	3.8a	3.8a	3.8a
	230	610	4.2a	4.2a	4.2a	3.8a	3.8a	3.8a	3.6a	3.6a	3.6a	3.3a	3.3a	3.3a	3.1a	3.1a	3.1a	2.9a	2.9a	2.9a
800S200-54	345	305	8.1	8.1	7.5	7.6	7.6	7.2	7.1	7.1	6.9	6.8	6.8	6.7	6.5	6.5	6.5	6.2i	6.2i	6.2i
	345	406	7.0	7.0	6.8	6.6	6.6	6.5	6.2i	6.2i	6.2i	5.9i	5.9i	5.9i	5.6i	5.6i	5.6i	5.4i	5.4i	5.4i
	345	610	5.7i	5.7i	5.7i	5.4i	5.4i	5.4i	5.0a	5.0a	5.0a	4.8a	4.8a	4.8a	4.6a	4.6a	4.6a	4.4a	4.4a	4.4a
800S200-68	345	305	9.5	9.5	8.1	8.8	8.8	7.7	8.3	8.3	7.4	7.9	7.9	7.2	7.5	7.5	6.9	7.2	7.2	6.7
	345	406	8.2	8.2	7.3	7.7	7.7	7.0	7.2	7.2	6.7	6.8	6.8	6.5	6.5	6.5	6.3	6.3	6.3	6.1
	345	610	6.7	6.7	6.4	6.3	6.3	6.1	5.9	5.9	5.9	5.6i	5.6i	5.6i	5.3i	5.3i	5.3i	5.1i	5.1i	5.1i
800S200-97	345	305	11.9	10.6	9.0	11.1	10.2	8.6	10.5	9.8	8.2	10.0	9.4	8.0	9.5	9.1	7.7	9.1	8.9	7.5
	345	406	10.3	9.7	8.1	9.6	9.2	7.8	9.1	8.9	7.5	8.6	8.6	7.2	8.2	8.2	7.0	7.9	7.9	6.8
	345	610	8.4	8.4	7.1	7.9	7.9	6.8	7.4	7.4	6.5	7.0	7.0	6.3	6.7	6.7	6.1	6.4	6.4	5.9
800S250-43	230	305	6.2a	6.2a	6.2a	5.8a	5.8a	5.8a	5.5a	5.5a	5.5a	5.2a	5.2a	5.2a	4.9a	4.9a	4.9a	4.6a	4.6a	4.6a
	230	406	5.4a	5.4a	5.4a	5.0a	5.0a	5.0a	4.6a	4.6a	4.6a	4.3a	4.3a	4.3a	4.1a	4.1a	4.1a	3.9a	3.9a	3.9a
	230	610	4.2a	4.2a	4.2a	3.9a	3.9a	3.9a	3.6a	3.6a	3.6a	3.3a	3.3a	3.3a	3.1a	3.1a	3.1a	2.9a	2.9a	2.9a
800S250-54	345	305	8.3	8.3	7.7	7.8	7.8	7.4	7.3	7.3	7.1	6.9	6.9	6.9	6.6i	6.6i	6.6i	6.3i	6.3i	6.3i
	345	406	7.2	7.2	7.0	6.7i	6.7i	6.7i	6.3i	6.3i	6.3i	6.0i	6.0i	6.0i	5.7a	5.7a	5.7a	5.5a	5.5a	5.5a
	345	610	5.9i	5.9i	5.9i	5.5a	5.5a	5.5a	5.2a	5.2a	5.2a	4.9a	4.9a	4.9a	4.7a	4.7a	4.7a	4.4a	4.4a	4.4a
800S250-68	345	305	9.7	9.7	8.4	9.1	9.1	8.0	8.6	8.6	7.7	8.1	8.1	7.4	7.7	7.7	7.2	7.4	7.4	7.0
	345	406	8.4	8.4	7.6	7.9	7.9	7.3	7.4	7.4	7.0	7.0	7.0	6.8	6.7	6.7	6.5	6.4	6.4	6.4
	345	610	6.9	6.9	6.7	6.4	6.4	6.0i	6.0i	6.0i	6.0i	5.7i	5.7i	5.7i	5.5i	5.5i	5.5i	5.2i	5.2i	5.2i
800S250-97	345	305	12.3	11.1	9.4	11.5	10.6	9.0	10.8	10.2	8.6	10.3	9.9	8.3	9.8	9.6	8.1	9.4	9.3	7.8
	345	406	10.6	10.1	8.5	9.9	9.7	8.1	9.4	9.3	7.8	8.9	8.9	7.6	8.5	8.5	7.3	8.1	8.1	7.1
	345	610	8.7	8.7	7.4	8.1	8.1	7.1	7.7	7.7	6.8	7.3	7.3	6.6	6.9	6.9	6.4	6.6	6.6	6.2
800S300-43	230	305	6.3a	6.3a	6.3a	5.9a	5.9a	5.9a	5.5a	5.5a	5.5a	5.2a	5.2a	5.2a	4.9a	4.9a	4.9a	4.6a	4.6a	4.6a
	230	406	5.4a	5.4a	5.4a	5.0a	5.0a	5.0a	4.6a	4.6a	4.6a	4.3a	4.3a	4.3a	4.1a	4.1a	4.1a	3.9a	3.9a	3.9a
	230	610	4.2a	4.2a	4.2a	3.9a	3.9a	3.9a	3.6a	3.6a	3.6a	3.3a	3.3a	3.3a	3.1a	3.1a	3.1a	2.9a	2.9a	2.9a
800S300-54	345	305	8.4	8.4	7.9	7.9	7.9	7.6	7.4	7.4	7.3	7.0	7.0	7.0	6.7i	6.7i	6.7i	6.4i	6.4i	6.4i
	345	406	7.3	7.3	7.2	6.8i	6.8i	6.8i	6.4i	6.4i	6.4i	6.1i	6.1i	6.1i	5.8a	5.8a	5.8a	5.6a	5.6a	5.6a
	345	610	5.9i	5.9i	5.9i	5.6a	5.6a	5.6a	5.2a	5.2a	5.2a	4.9a	4.9a	4.9a	4.7a	4.7a	4.7a	4.4a	4.4a	4.4a
800S300-68	345	305	9.9	9.9	8.6	9.2	9.2	8.2	8.7	8.7	7.9	8.2	8.2	7.6	7.9	7.9	7.4	7.5	7.5	7.2
	345	406	8.5	8.5	7.8	8.0	8.0	7.5	7.5	7.5	7.2	7.1	7.1	6.9	6.8	6.8	6.7	6.5	6.5	6.5
	345	610	7.0	7.0	6.8	6.5	6.5	6.5	6.1i	6.1i	6.1i	5.8i	5.8i	5.8i	5.6i	5.6i	5.6i	5.3i	5.3i	5.3i
800S300-97	345	305	12.5	11.5	9.7	11.7	11.0	9.3	11.1	10.6	8.9	10.5	10.2	8.6	10.0	9.9	8.3	9.6	9.6	8.1
	345	406	10.9	10.4	8.8	10.2	10.0	8.4	9.6	9.6	8.1	9.1	9.1	7.8	8.7	8.7	7.6	8.3	8.3	7.4
	345	610	8.9	8.9	7.7	8.3	8.3	7.4	7.8	7.8	7.1	7.4	7.4	6.8	7.1	7.1	6.6	6.8	6.8	6.4

NOTES:

- 1) $p = I_w \{qC_e C_g C_p\}$; I_w of 0.75 has been incorporated in the deflection values of the table.
The parameters in the bracket { } must be determined by the design professional in accordance with the NBCC.
- 2) "e" web stiffeners required at ends; "i" web stiffeners required at interior support; "a" web stiffeners required at ends and interior supports.

Combined Axial and Lateral Load Tables

Table Notes

- 1 Limiting factored axial compressive resistances are based on a simple one span condition and are given in kN based on the assumption that the axial load passes through the centroid of the effective section.
- 2 Limiting axial resistances are based on 1.22 m on centre bracing. The ends of the studs are also assumed to be laterally and torsionally restrained. Design bracing for the accumulated torsion between bridging lines in combination with the discrete bracing requirements. Provide periodic anchorage for the bridging as required structurally.
- 3 Wind loads shown are factored and uniformly distributed over the surface of the wall. Axial loads are factored and are per stud. Seismic loads are not considered.
- 4 For wind load deflection calculations, $p = l_w \{qC_e C_g C_p\}$. l_w of 0.75 has been incorporated in the deflection values of the table. The parameters in the bracket { } must be determined by the design professional in accordance with the NBCC.
- 5 End supports are not checked for web crippling. See web crippling data on page 83.

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)
0 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	362S162						362S200						362S250						362S300						
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
2.40	305	13.5	18.5	28.1	36.1	52.3	16.0	22.8	35.0	44.6	63.1	17.3	25.7	39.1	51.7	72.7	18.0	26.2	39.3	54.1	79.9	18.0	26.2	39.3	54.1	79.9
	406	13.5	18.5	28.1	36.1	52.3	16.0	22.8	35.0	44.6	63.1	17.3	25.7	39.1	51.7	72.7	18.0	26.2	39.3	54.1	79.9	18.0	26.2	39.3	54.1	79.9
	610	13.5	18.5	28.1	36.1	52.3	16.0	22.8	35.0	44.6	63.1	17.3	25.7	39.1	51.7	72.7	18.0	26.2	39.3	54.1	79.9	18.0	26.2	39.3	54.1	79.9
2.80	305	12.9	17.7	26.1	33.3	47.8	15.4	21.6	32.3	40.8	57.5	16.6	24.7	36.7	47.4	66.4	17.3	25.2	37.0	50.5	74.7	17.3	25.2	37.0	50.5	74.7
	406	12.9	17.7	26.1	33.3	47.8	15.4	21.6	32.3	40.8	57.5	16.6	24.7	36.7	47.4	66.4	17.3	25.2	37.0	50.5	74.7	17.3	25.2	37.0	50.5	74.7
	610	12.9	17.7	26.1	33.3	47.8	15.4	21.6	32.3	40.8	57.5	16.6	24.7	36.7	47.4	66.4	17.3	25.2	37.0	50.5	74.7	17.3	25.2	37.0	50.5	74.7
3.20	305	12.2	16.7	23.8	30.0	42.8	14.6	20.3	29.2	36.6	51.3	15.8	23.5	34.0	42.6	59.5	16.5	24.2	34.5	46.1	67.3	16.5	24.2	34.5	46.1	67.3
	406	12.2	16.7	23.8	30.0	42.8	14.6	20.3	29.2	36.6	51.3	15.8	23.5	34.0	42.6	59.5	16.5	24.2	34.5	46.1	67.3	16.5	24.2	34.5	46.1	67.3
	610	12.2	16.7	23.8	30.0	42.8	14.6	20.3	29.2	36.6	51.3	15.8	23.5	34.0	42.6	59.5	16.5	24.2	34.5	46.1	67.3	16.5	24.2	34.5	46.1	67.3
3.60	305	11.4	15.5	21.1	26.4	37.3	13.7	18.8	25.8	32.1	44.8	14.9	21.8	30.2	37.5	52.2	15.6	22.9	32.1	41.7	59.4	15.6	22.9	32.1	41.7	59.4
	406	11.4	15.5	21.1	26.4	37.3	13.7	18.8	25.8	32.1	44.8	14.9	21.8	30.2	37.5	52.2	15.6	22.9	32.1	41.7	59.4	15.6	22.9	32.1	41.7	59.4
	610	11.4	15.5	21.1	26.4	37.3	13.7	18.8	25.8	32.1	44.8	14.9	21.8	30.2	37.5	52.2	15.6	22.9	32.1	41.7	59.4	15.6	22.9	32.1	41.7	59.4
4.00	305	10.5	14.2	18.5	23.1	32.3	12.7	17.2	22.5	28.0	38.8	13.9	20.0	26.4	32.7	45.3	14.6	21.6	29.2	37.4	51.7	14.6	21.6	29.2	37.4	51.7
	406	10.5	14.2	18.5	23.1	32.3	12.7	17.2	22.5	28.0	38.8	13.9	20.0	26.4	32.7	45.3	14.6	21.6	29.2	37.4	51.7	14.6	21.6	29.2	37.4	51.7
	610	10.5	14.2	18.5	23.1	32.3	12.7	17.2	22.5	28.0	38.8	13.9	20.0	26.4	32.7	45.3	14.6	21.6	29.2	37.4	51.7	14.6	21.6	29.2	37.4	51.7
4.40	305	9.5	12.9	16.2	20.2	28.0	11.6	15.6	19.7	24.4	33.6	12.9	18.2	23.1	28.6	39.5	13.6	20.2	26.4	32.8	45.2	13.6	20.2	26.4	32.8	45.2
	406	9.5	12.9	16.2	20.2	28.0	11.6	15.6	19.7	24.4	33.6	12.9	18.2	23.1	28.6	39.5	13.6	20.2	26.4	32.8	45.2	13.6	20.2	26.4	32.8	45.2
	610	9.5	12.9	16.2	20.2	28.0	11.5	15.6	19.7	24.4	33.6	12.9	18.2	23.1	28.6	39.5	13.6	20.2	26.4	32.7	45.2	13.6	20.2	26.4	32.7	45.2
4.80	305	8.5	11.5	14.3	17.7	24.3	10.3	13.9	17.3	21.3	29.3	11.8	16.3	20.3	25.1	34.6	12.6	18.6	23.3	28.8	39.7	12.6	18.6	23.3	28.8	39.7
	406	8.5	11.5	14.3	17.7	24.3	10.3	13.9	17.3	21.3	29.3	11.8	16.3	20.3	25.1	34.6	12.6	18.6	23.3	28.8	39.7	12.6	18.6	23.3	28.8	39.7
	610	8.5	11.5	14.3	17.7	24.3	10.3	13.9	17.3	21.3	29.3	11.8	16.3	20.3	25.1	34.6	12.6	18.6	23.3	28.8	39.7	12.6	18.6	23.3	28.8	39.7
5.20	305	7.6	10.2	12.6	15.6	21.3	9.2	12.3	15.2	18.8	25.7	10.7	14.5	17.9	22.2	30.4	11.5	16.6	20.6	25.5	35.1	11.5	16.6	20.6	25.5	35.1
	406	7.6	10.2	12.6	15.6	21.3	9.2	12.3	15.2	18.8	25.7	10.7	14.5	17.9	22.1	30.4	11.5	16.6	20.6	25.5	35.1	11.5	16.6	20.6	25.5	35.1
	610	7.6	10.2	12.6	15.5	21.3	9.2	12.3	15.2	18.8	25.7	10.7	14.5	17.9	22.1	30.4	11.5	16.6	20.6	25.5	35.0	11.5	16.6	20.6	25.5	35.0
5.60	305	6.8	9.0	11.2	13.8	18.8	8.2	10.9	13.5	16.6	22.7	9.7	12.9	15.9	19.6	26.9	10.5	14.8	18.3	22.6	31.1	10.5	14.8	18.3	22.6	31.1
	406	6.8	9.0	11.2	13.7	18.8	8.2	10.9	13.5	16.6	22.7	9.7	12.9	15.9	19.6	26.9	10.5	14.8	18.3	22.6	31.1	10.5	14.8	18.3	22.6	31.1
	610	6.8	9.0	11.1	13.7	18.8	8.2	10.9	13.5	16.6	22.7	9.7	12.8	15.9	19.6	26.9	10.5	14.8	18.3	22.6	31.1	10.5	14.8	18.3	22.6	31.1
6.00	305	6.1	8.1	9.9	12.2	16.6	7.4	9.7	12.0	14.8	20.1	8.7	11.5	14.2	17.5	23.9	9.7	13.2	16.3	20.2	27.7	9.7	13.2	16.3	20.2	27.7
	406	6.1	8.1	9.9	12.2	16.6	7.4	9.7	12.0	14.8	20.1	8.7	11.5	14.2	17.5	23.9	9.7	13.2	16.3	20.2	27.7	9.7	13.2	16.3	20.2	27.7
	610	6.1	8.0	9.9	12.2	16.6	7.4	9.7	12.0	14.8	20.1	8.7	11.5	14.2	17.5	23.9	9.7	13.2	16.3	20.2	27.7	9.7	13.2	16.3	20.2	27.7

¹ Deflection meets L/120 ³ Deflection meets L/360
² Deflection meets L/240 ⁴ Deflection meets L/600
If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

2.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	362S162						362S200						362S250						362S300											
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
2.40	305	6.1	10.9	21.0	28.9	45.5	8.0	14.5	27.0	36.7	56.0	9.2	16.9	30.7	43.1	64.7	9.9	17.6	31.3	45.7	71.7	9.9	17.6	31.3	45.7	71.7	9.9	17.6	31.3	45.7	71.7
	406	4.0 ³	8.7	18.8	26.7	43.4	5.7 ⁴	12.1	24.6	34.4	53.8	6.8	14.3	28.1	40.5	62.2	7.5	15.0	28.8	43.0	69.1	7.5	15.0	28.8	43.0	69.1	7.5	15.0	28.8	43.0	69.1
	610	0.1 ³	4.6 ³	14.8 ⁴	22.6	39.4	1.4 ³	7.6 ⁴	20.1	29.8	49.5	2.4 ³	9.4 ⁴	23.3	35.4	57.4	3.0 ³	10.0	24.2	38.0	64.1	3.0 ³	10.0	24.2	38.0	64.1	3.0 ³	10.0	24.2	38.0	64.1
2.80	305	3.5 ³	7.9 ⁴	16.9	23.9	38.9	5.0 ³	10.9	21.9	30.6	48.1	6.1 ⁴	13.1	25.6	36.1	55.7	6.8 ⁴	13.8	26.4	39.2	63.5	6.8 ⁴	13.8	26.4	39.2	63.5	6.8 ⁴	13.8	26.4	39.2	63.5
	406	1.0 ³	5.2 ³	14.3 ³	21.2	36.2	2.3 ³	8.0 ³	19.1 ⁴	27.7	45.3	3.3 ³	9.9 ⁴	22.4	32.8	52.5	3.9 ³	10.6	23.4	35.8	60.1	3.9 ³	10.6	23.4	35.8	60.1	3.9 ³	10.6	23.4	35.8	60.1
	610	0.5 ²	0.5 ²	9.7 ³	16.4 ³	31.4 ⁴	2.8 ³	2.8 ³	13.9 ³	22.3 ³	40.1	4.1 ³	4.1 ³	16.7 ³	26.9 ⁴	46.6	4.7 ³	4.7 ³	17.7 ³	29.7	53.8	4.7 ³	4.7 ³	17.7 ³	29.7	53.8	4.7 ³	4.7 ³	17.7 ³	29.7	53.8
3.20	305	1.1 ²	4.9 ³	12.8 ³	18.8 ⁴	31.9	2.3 ³	7.4 ³	17.0 ⁴	24.4	39.9	3.2 ³	9.3 ³	20.3 ⁴	29.0	46.4	3.8 ³	10.0 ⁴	21.4	32.2	53.5	3.8 ³	10.0 ⁴	21.4	32.2	53.5	3.8 ³	10.0 ⁴	21.4	32.2	53.5
	406		2.0 ²	10.0 ³	15.9 ³	29.0 ⁴		4.2 ³	13.8 ³	21.2 ³	36.7	0.1 ²	5.7 ³	16.8 ³	25.4 ⁴	42.8	0.6 ²	6.3 ³	17.9 ³	28.4	49.6	0.6 ²	6.3 ³	17.9 ³	28.4	49.6	0.6 ²	6.3 ³	17.9 ³	28.4	49.6
	610			5.1 ²	10.7 ²	23.7 ³		8.3 ²	15.5 ³	15.5 ³	31.0 ³			10.6 ²	19.0 ³	36.2 ⁴			11.5 ³	21.6 ³	42.4 ⁴			11.5 ³	21.6 ³	42.4 ⁴			11.5 ³	21.6 ³	42.4 ⁴
3.60	305		2.3 ²	9.1 ³	14.2 ³	25.3 ⁴		4.3 ²	12.4 ³	18.7 ³	32.0		0.6 ²	5.7 ³	15.1 ³	22.5 ⁴		1.1 ²	6.4 ³	16.7 ³	43.6			6.4 ³	16.7 ³	43.6			6.4 ³	16.7 ³	43.6
	406			6.3 ²	11.2 ²	22.3 ³		1.0 ²	9.3 ²	15.5 ³	28.7 ³			2.0 ²	11.5 ³	33.7 ⁴			2.5 ²	21.7 ³	39.5			2.5 ²	21.7 ³	39.5			2.5 ²	21.7 ³	39.5
	610			1.4 ¹	6.0 ¹	16.9 ²			3.8 ¹	9.7 ²	22.9 ³			5.3 ²	12.3 ²	26.9 ³			6.2 ²	14.6 ²	32.0 ³			6.2 ²	14.6 ²	32.0 ³			6.2 ²	14.6 ²	32.0 ³
4.00	305		0.1 ¹	6.1 ²	10.3 ²	19.7 ³		1.7 ²	8.7 ²	14.0 ³	25.3 ³			2.7 ²	10.7 ³	17.0 ³			3.3 ²	20.0 ³	34.9 ⁴			3.3 ²	20.0 ³	34.9 ⁴			3.3 ²	20.0 ³	34.9 ⁴
	406			3.3 ¹	7.4 ²	16.7 ²			5.6 ¹	10.8 ²	22.0 ³			7.2 ²	13.4 ²	26.0 ³			8.5 ²	15.9 ³	30.7 ³			8.5 ²	15.9 ³	30.7 ³			8.5 ²	15.9 ³	30.7 ³
	610			2.4 ¹	6.0 ¹	11.5 ¹			0.3 ¹	5.2 ¹	16.3 ²			1.2 ¹	7.0 ¹	19.3 ²			1.8 ¹	8.8 ²	23.4 ²			1.8 ¹	8.8 ²	23.4 ²			1.8 ¹	8.8 ²	23.4 ²
4.40	305			3.7 ¹	7.3 ²	15.2 ²			5.8 ²	10.3 ²	19.9 ³			0.3 ¹	7.3 ²	12.6 ²			8.7 ²	15.0 ³	27.8 ³			8.7 ²	15.0 ³	27.8 ³			8.7 ²	15.0 ³	27.8 ³
	406			1.1 ¹	4.4 ¹	12.3 ²			2.8 ¹	7.1 ¹	16.7 ²				3.9 ¹	9.1 ²			4.9 ¹	11.0 ²	23.7 ³			4.9 ¹	11.0 ²	23.7 ³			4.9 ¹	11.0 ²	23.7 ³
	610					7.3 ¹			1.8 ¹	1.8 ¹	11.1 ¹				3.0 ¹	13.3 ¹				4.2 ¹	16.5 ²				4.2 ¹	16.5 ²				4.2 ¹	16.5 ²
4.80	305			1.9 ¹	4.8 ¹	11.6 ²			3.5 ¹	7.3 ¹	15.5 ²				4.6 ¹	9.1 ²			5.6 ¹	11.0 ²	22.0 ³			5.6 ¹	11.0 ²	22.0 ³			5.6 ¹	11.0 ²	22.0 ³
	406				2.2 ¹	8.9 ¹			0.7 ¹	4.3 ¹	12.5 ¹				1.4 ¹	5.7 ¹			2.0 ¹	7.2 ¹	18.0 ²			2.0 ¹	7.2 ¹	18.0 ²			2.0 ¹	7.2 ¹	18.0 ²
	610					4.1 ¹					7.2 ¹					8.7 ¹				0.7 ¹	11.2 ¹				0.7 ¹	11.2 ¹				0.7 ¹	11.2 ¹
5.20	305			0.4 ¹	3.0 ¹	8.8 ¹			1.7 ¹	5.0 ¹	12.1 ²				2.5 ¹	6.4 ¹			3.2 ¹	7.8 ¹	17.4 ²			3.2 ¹	7.8 ¹	17.4 ²			3.2 ¹	7.8 ¹	17.4 ²
	406				0.4 ¹	6.2 ¹				2.1 ¹	9.1 ¹				3.1 ¹	11.0 ¹				4.2 ¹	13.5 ²				4.2 ¹	13.5 ²				4.2 ¹	13.5 ²
	610					1.6 ¹					4.1 ¹					5.1 ¹					7.0 ¹					7.0 ¹					7.0 ¹
5.60	305				1.5 ¹	6.6 ¹			0.3 ¹	3.1 ¹	9.3 ¹				0.9 ¹	4.2 ¹				5.3 ¹	13.6 ²					13.6 ²					13.6 ²
	406					4.0 ¹				0.4 ¹	6.5 ¹				1.1 ¹	7.8 ¹				1.8 ¹	9.9 ¹					9.9 ¹					9.9 ¹
	610					1.6 ¹					1.8 ¹					2.2 ¹					3.6 ¹					3.6 ¹					3.6 ¹
6.00	305					4.7 ¹				1.7 ¹	7.1 ¹					2.5 ¹					10.5 ¹					10.5 ¹					10.5 ¹
	406					2.4 ¹					4.4 ¹					5.4 ¹					7.0 ¹					7.0 ¹					7.0 ¹
	610																				1.0 ¹					1.0 ¹					1.0 ¹

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

2.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	362S162									362S200									362S250									362S300								
		230 MPa			345 MPa			230 MPa			345 MPa			230 MPa			345 MPa			230 MPa			345 MPa			230 MPa			345 MPa			230 MPa			345 MPa		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97						
2.40	305	4.5 ⁴	9.3	19.4	27.2	43.9	6.2	12.7	25.2	34.9	54.3	7.4	14.9	28.8	41.1	62.8	8.1	15.6	29.4	43.7	69.8																
	406	2.0 ³	6.6 ⁴	16.8	24.6	41.4	3.5 ³	9.8	22.3	32.0	51.6	4.6 ⁴	11.8	25.7	37.9	59.7	5.2 ⁴	12.4	26.5	40.5	66.6																
	610		1.7 ³	12.0 ³	19.7 ⁴	36.5		4.4 ³	17.0 ³	26.6	46.5		6.0 ³	19.9 ⁴	31.9	53.9		6.6 ⁴	20.8	34.4	60.6																
2.80	305	1.6 ³	5.9 ³	14.9 ⁴	21.9	36.9	3.0 ³	8.7 ⁴	19.8	28.4	46.0	4.0 ³	10.7 ⁴	23.2	33.6	53.3	4.6 ³	11.4	24.1	36.7	61.0																
	406		2.8 ³	11.9 ³	18.7 ³	33.8		5.3 ³	16.4 ³	24.9 ⁴	42.6	0.7 ³	6.9 ³	19.5 ⁴	29.8	49.5	1.2 ³	7.5 ³	20.4 ⁴	32.7	56.9																
	610			6.5 ²	13.0 ³	28.0 ³			10.3 ³	18.7 ³	36.5 ⁴		0.2 ²	12.8 ³	22.8 ³	42.5		0.6 ³	13.7 ³	25.4 ³	49.3																
3.20	305		2.7 ²	10.7 ³	16.6 ³	29.7 ⁴		5.0 ³	14.6 ³	22.0 ⁴	37.5	0.8 ²	6.6 ³	17.7 ³	26.3 ⁴	43.7	1.4 ³	7.2 ³	18.7 ⁴	29.3	50.5																
	406			7.5 ²	13.2 ³	26.2 ³	1.3 ²	11.0 ³	18.2 ³	33.7 ⁴		2.4 ²	13.6 ³	22.1 ³	39.4		2.9 ³	14.6 ³	24.9 ³	45.9																	
	610			1.8 ¹	7.2 ²	20.1 ²		4.6 ²	11.6 ²	27.0 ³			6.4 ²	14.6 ²	31.7 ³			7.3 ²	17.0 ³	37.5 ³																	
3.60	305			7.0 ²	11.9 ³	23.0 ³		1.8 ²	10.0 ²	16.3 ³	29.5 ³		2.9 ²	12.4 ³	19.7 ³	34.7 ⁴		3.4 ³	13.8 ³	22.7 ³	40.5																
	406			3.7 ¹	8.5 ²	19.5 ³		6.4 ²	12.5 ²	25.7 ³			8.3 ²	15.4 ³	30.2 ³			9.4 ²	18.0 ³	35.6 ³																	
	610			2.6 ¹	13.3 ²	13.3 ²		0.1 ¹	5.9 ¹	18.9 ²			1.1 ¹	8.0 ²	22.4 ²			1.8 ¹	9.9 ²	27.0 ³																	
4.00	305			4.0 ¹	8.1 ²	17.4 ²		6.3 ²	11.6 ²	22.8 ³			8.1 ²	14.2 ³	26.9 ³			0.2 ²	16.9 ³	31.8 ³																	
	406			0.8 ¹	4.8 ¹	14.0 ²		2.8 ¹	7.9 ¹	19.0 ²			4.1 ¹	10.1 ²	22.5 ³			5.0 ¹	12.2 ²	26.9 ³																	
	610					8.0 ¹		1.6 ¹	12.5 ¹	12.5 ¹			6.3 ²	11.6 ²	22.8 ³			2.9 ¹	14.8 ²	18.5 ²																	
4.40	305			1.7 ¹	5.1 ¹	13.0 ²			3.5 ¹	7.9 ¹	17.4 ²			4.7 ¹	9.9 ²	20.7 ³			5.8 ¹	12.0 ²	24.7 ³																
	406				1.9 ¹	9.7 ¹			0.1 ¹	4.4 ¹	13.8 ¹			0.9 ¹	5.9 ¹	16.4 ²			1.5 ¹	7.4 ¹	20.0 ²																
	610					4.0 ¹				7.5 ¹	7.5 ¹					9.1 ¹				11.8 ¹																	
4.80	305				2.8 ¹	9.5 ¹			1.3 ¹	5.0 ¹	13.2 ²			2.1 ¹	6.6 ¹	15.7 ²			2.8 ¹	8.1 ¹	19.0 ²																
	406					6.4 ¹				1.7 ¹	9.7 ¹				2.7 ¹	11.6 ¹			3.8 ¹	14.4 ²																	
	610					1.0 ¹				3.7 ¹	3.7 ¹					4.6 ¹				6.6 ¹																	
5.20	305				1.0 ¹	6.8 ¹				2.8 ¹	9.8 ¹			0.2 ¹	3.9 ¹	11.8 ¹			0.5 ¹	5.0 ¹	14.5 ²																
	406					3.8 ¹					6.5 ¹				0.3 ¹	7.9 ¹			0.9 ¹	10.1 ¹																	
	610									0.9 ¹	0.9 ¹					1.2 ¹			2.7 ¹																		
5.60	305					4.6 ¹				1.1 ¹	7.2 ¹				1.8 ¹	8.6 ¹			2.6 ¹	10.8 ¹																	
	406					1.8 ¹					4.0 ¹					4.9 ¹			6.6 ¹																		
	610																																				
6.00	305					2.9 ¹					5.0 ¹				0.2 ¹	6.1 ¹			0.7 ¹	7.9 ¹																	
	406					0.2 ¹					2.0 ¹					2.6 ¹			3.9 ¹																		
	610																																				

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

3.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	362S162						362S200						362S250						362S300						
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
2.40	305	3.0 ³	7.6 ⁴	17.8	25.6	42.4	4.6 ⁴	10.9	23.5	33.2	52.7	5.7 ⁴	13.0	26.9	39.2	61.0	6.4	13.7	27.6	41.8	67.9					
	406	0.1 ³	4.6 ³	14.8 ⁴	22.6	39.4	1.4 ³	7.6 ⁴	20.1	29.8	49.5	2.4 ³	9.4 ⁴	23.3	35.4	57.4	3.0 ³	10.0	24.2	38.0	64.1					
	610			9.4 ³	16.9 ³	33.8 ⁴		1.4 ³	14.0 ³	23.6 ⁴	43.5		2.7 ³	16.7 ³	28.4 ⁴	50.5		3.2 ³	17.6 ⁴	30.9	57.1					
2.80	305		4.0 ³	13.1 ³	20.0 ⁴	35.0	1.0 ³	6.6 ³	17.7 ⁴	26.3	43.9	2.0 ³	8.4 ³	20.9 ⁴	31.3	51.0	2.5 ³	9.0 ⁴	21.9	34.2	58.5					
	406		0.5 ²	9.7 ³	16.4 ³	31.4 ⁴		2.8 ³	13.9 ³	22.3 ³	40.1		4.1 ³	16.7 ³	26.9 ⁴	46.6		4.7 ³	17.7 ³	29.7	53.8					
	610			3.6 ²	9.9 ²	24.8 ³			7.0 ²	15.2 ³	33.0 ³			9.1 ²	18.9 ³	38.5 ⁴			10.0 ³	21.4 ³	45.1 ⁴					
3.20	305		0.7 ²	8.7 ²	14.5 ³	27.6 ³		2.7 ²	12.4 ³	19.7 ³	35.2 ⁴		4.0 ³	15.2 ³	23.7 ³	41.1		4.6 ³	16.2 ³	26.6 ⁴	47.7					
	406			5.1 ²	10.7 ²	23.7 ³			8.3 ²	15.5 ³	31.0 ³			10.6 ²	19.0 ³	36.2 ⁴			11.5 ³	21.6 ³	42.4 ⁴					
	610			4.0 ¹	16.7 ²			1.2 ¹	8.1 ²	23.4 ²				2.5 ¹	10.6 ²	27.5 ³			3.3 ²	12.7 ²	32.9 ³					
3.60	305			5.0 ²	9.8 ²	20.8 ³			7.8 ²	13.9 ²	27.2 ³		0.3 ²	9.9 ²	17.1 ³	31.9 ³			0.6 ²	11.1 ²	19.8 ³					
	406			1.4 ¹	6.0 ¹	16.9 ²			3.8 ¹	9.7 ²	22.9 ³			5.3 ²	12.3 ²	26.9 ³			6.2 ²	14.6 ²	32.0 ³					
	610				10.0 ¹				2.4 ¹	15.3 ²				4.0 ¹	18.1 ²				5.5 ¹	22.4 ²						
4.00	305			2.1 ¹	6.1 ¹	15.3 ²			4.2 ¹	9.3 ²	20.5 ³			5.6 ²	11.7 ²	24.2 ³			6.7 ²	14.0 ²	28.8 ³					
	406				2.4 ¹	11.5 ¹			0.3 ¹	5.2 ¹	16.3 ²			1.2 ¹	7.0 ¹	19.3 ²			1.8 ¹	8.8 ²	23.4 ²					
	610				4.8 ¹					9.0 ¹						10.8 ¹				14.0 ¹						
4.40	305				3.2 ¹	11.0 ¹			1.4 ¹	5.7 ¹	15.2 ²			2.4 ¹	7.5 ¹	18.1 ²			3.1 ¹	9.2 ²	21.8 ²					
	406					7.3 ¹				1.8 ¹	11.1 ¹				3.0 ¹	13.3 ¹				4.2 ¹	16.5 ²					
	610					1.0 ¹					4.2 ¹					5.2 ¹				7.5 ¹						
4.80	305				0.9 ¹	7.6 ¹				3.0 ¹	11.1 ¹				4.2 ¹	13.2 ²				5.4 ¹	16.2 ²					
	406					4.1 ¹					7.2 ¹				8.7 ¹	11.2 ¹				0.6 ¹	11.2 ¹					
	610									0.6 ¹	0.6 ¹				0.9 ¹				2.5 ¹							
5.20	305					4.9 ¹				0.9 ¹	7.8 ¹				1.7 ¹	9.4 ¹				2.5 ¹	11.8 ¹					
	406					1.6 ¹					4.1 ¹				5.1 ¹					7.0 ¹						
	610																									
5.60	305					2.9 ¹					5.2 ¹				6.3 ¹					0.2 ¹	8.2 ¹					
	406										1.8 ¹				2.2 ¹						3.6 ¹					
	610																									
6.00	305					1.3 ¹					3.2 ¹				3.9 ¹						5.4 ¹					
	406																				1.0 ¹					
	610																									

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

3.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	362S162						362S200						362S250						362S300							
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		345 MPa					
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	
2.40	305	1.5 ³	6.1 ³	16.3 ⁴	24.1	40.9	2.9 ³	9.2 ⁴	21.8	31.5	51.1	4.0 ³	11.2	25.1	37.3	59.1	4.7 ⁴	11.8	25.9	39.9	66.0						
	406		2.7 ³	13.0 ³	20.6 ⁴	37.5		5.4 ³	18.0 ⁴	27.7	47.5	0.3 ³	7.1 ⁴	21.1 ⁴	33.0	55.0	0.9 ³	7.7 ⁴	21.9	35.6	61.7						
	610			6.9 ²	14.2 ³	31.1 ³			11.1 ³	20.6 ³	40.7 ⁴			13.6 ³	25.2 ⁴	47.3		0.1 ³	14.6 ³	27.6 ⁴	53.7						
2.80	305		2.2 ³	11.3 ³	18.1 ³	33.2		4.6 ³	15.7 ³	24.3 ⁴	42.0		6.2 ³	18.8 ⁴	29.0	48.8	0.6 ³	6.8 ³	19.7 ⁴	31.9	56.1						
	406			7.5 ²	14.1 ³	29.1 ³		0.4 ²	11.5 ³	19.9 ³	37.6 ⁴		1.5 ³	14.1 ³	24.1 ³	43.8		1.9 ³	15.0 ³	26.8 ⁴	50.8						
	610			0.8 ¹	7.0 ²	21.8 ³			3.9 ²	12.0 ²	29.7 ³			5.6 ²	15.2 ³	34.8 ³			6.5 ²	17.5 ³	41.1 ³						
3.20	305			6.9 ²	12.6 ³	25.6 ³		0.6 ²	10.3 ²	17.5 ³	33.0 ³		1.7 ²	12.8 ³	21.3 ³	38.6 ⁴		2.1 ³	13.8 ³	24.1 ³	45.0						
	406			2.9 ¹	8.4 ²	21.2 ³			5.8 ²	12.9 ²	28.3 ³			7.7 ²	16.1 ³	33.2 ³			8.6 ²	18.5 ³	39.1 ³						
	610				1.0 ¹	13.6 ²				4.7 ¹	20.0 ²				6.9 ²	23.5 ²			8.6 ²	28.6 ³							
3.60	305			3.1 ¹	7.8 ²	18.8 ²			5.7 ²	11.8 ²	25.0 ³			7.5 ²	14.6 ²	29.4 ³			8.6 ²	17.1 ³	34.7 ³						
	406				3.7 ¹	14.5 ²			1.3 ¹	7.1 ¹	20.2 ²			2.5 ¹	9.4 ²	23.8 ³			3.3 ¹	11.4 ²	28.7 ³						
	610				6.9 ¹						11.9 ¹				0.3 ¹	14.2 ²			1.4 ¹	18.1 ²							
4.00	305			0.3 ¹	4.1 ¹	13.3 ²			2.2 ¹	7.2 ¹	18.3 ²			3.3 ¹	9.3 ²	21.7 ²			4.2 ¹	11.3 ²	26.0 ³						
	406				0.1 ¹	9.1 ¹				2.7 ¹	13.7 ¹				4.2 ¹	16.3 ²			5.7 ¹	20.0 ²							
	610					1.9 ¹					5.7 ¹				7.0 ¹				9.8 ¹								
4.40	305				1.3 ¹	9.1 ¹				3.7 ¹	13.1 ¹			0.2 ¹	5.2 ¹	15.6 ²			0.7 ¹	6.6 ¹	19.1 ²						
	406					5.0 ¹					8.7 ¹				0.3 ¹	10.4 ¹			1.2 ¹	13.3 ¹							
	610					1.1 ¹					1.1 ¹				1.6 ¹				3.5 ¹								
4.80	305					5.8 ¹				1.1 ¹	9.1 ¹				2.0 ¹	10.9 ¹			3.0 ¹	13.6 ¹							
	406					2.0 ¹					4.8 ¹				5.9 ¹				8.1 ¹								
	610					3.2 ¹					5.9 ¹				7.1 ¹				0.2 ¹	9.3 ¹							
5.20	305										1.9 ¹				2.5 ¹					4.0 ¹							
	406										3.4 ¹				4.2 ¹					5.9 ¹							
	610					1.3 ¹					3.4 ¹				4.2 ¹					0.9 ¹							
5.60	305																										
	406																										
	610																										
6.00	305																										
	406																										
	610																										

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

0 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	400S162						400S200						400S250						400S300						
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		345 MPa				
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
2.40	305	14.4	19.8	31.0	41.1	59.9	16.9	24.3	38.6	50.6	72.5	18.2	27.1	41.7	57.3	83.7	18.9	27.6	42.6	59.5	90.5	18.9	27.6	42.6	59.5	90.5
	406	14.4	19.8	31.0	41.1	59.9	16.9	24.3	38.6	50.6	72.5	18.2	27.1	41.7	57.3	83.7	18.9	27.6	42.6	59.5	90.5	18.9	27.6	42.6	59.5	90.5
	610	14.4	19.8	31.0	41.1	59.9	16.9	24.3	38.6	50.6	72.5	18.2	27.1	41.7	57.3	83.7	18.9	27.6	42.6	59.5	90.5	18.9	27.6	42.6	59.5	90.5
2.80	305	13.9	19.1	29.4	38.9	56.1	16.4	23.4	36.3	47.5	67.5	17.6	26.3	40.4	54.7	77.8	18.3	26.8	40.7	57.1	85.2	18.3	26.8	40.7	57.1	85.2
	406	13.9	19.1	29.4	38.9	56.1	16.4	23.4	36.3	47.5	67.5	17.6	26.3	40.4	54.7	77.8	18.3	26.8	40.7	57.1	85.2	18.3	26.8	40.7	57.1	85.2
	610	13.9	19.1	29.4	38.9	56.1	16.3	23.4	36.3	47.5	67.5	17.6	26.3	40.4	54.7	77.8	18.3	26.8	40.7	57.1	85.2	18.3	26.8	40.7	57.1	85.2
3.20	305	13.3	18.3	27.4	36.2	51.4	15.7	22.2	33.6	43.8	61.6	16.9	25.3	38.1	50.8	71.2	17.7	25.9	38.5	54.1	79.6	17.7	25.9	38.5	54.1	79.6
	406	13.3	18.3	27.4	36.1	51.4	15.7	22.2	33.6	43.8	61.6	16.9	25.3	38.1	50.8	71.2	17.7	25.9	38.5	54.1	79.6	17.7	25.9	38.5	54.1	79.6
	610	13.3	18.3	27.4	36.1	51.4	15.7	22.2	33.6	43.8	61.6	16.9	25.3	38.1	50.8	71.2	17.7	25.9	38.5	54.0	79.6	17.7	25.9	38.5	54.0	79.6
3.60	305	12.6	17.3	25.1	32.7	46.2	14.9	20.9	30.6	39.7	55.3	16.2	24.2	35.7	46.1	64.1	16.9	24.8	36.0	49.7	72.7	16.9	24.8	36.0	49.7	72.7
	406	12.6	17.3	25.1	32.7	46.2	14.9	20.9	30.6	39.7	55.3	16.2	24.2	35.7	46.1	64.1	16.9	24.8	36.0	49.7	72.7	16.9	24.8	36.0	49.7	72.7
	610	12.6	17.3	25.1	32.7	46.2	14.9	20.9	30.6	39.7	55.3	16.2	24.2	35.6	46.1	64.1	16.9	24.8	36.0	49.7	72.7	16.9	24.8	36.0	49.7	72.7
4.00	305	11.8	16.2	22.6	29.0	40.7	14.1	19.5	27.5	35.1	48.8	15.3	22.7	32.1	41.0	56.9	16.0	23.7	33.6	45.1	64.7	16.0	23.7	33.6	45.1	64.7
	406	11.8	16.2	22.6	29.0	40.7	14.1	19.5	27.5	35.1	48.8	15.3	22.7	32.1	41.0	56.9	16.0	23.7	33.6	45.1	64.7	16.0	23.7	33.6	45.1	64.7
	610	11.8	16.2	22.6	29.0	40.7	14.1	19.5	27.5	35.1	48.8	15.3	22.7	32.1	41.0	56.9	16.0	23.7	33.6	45.1	64.7	16.0	23.7	33.6	45.1	64.7
4.40	305	10.9	15.0	20.2	25.5	35.4	13.2	18.0	24.3	30.7	42.5	14.4	21.0	28.5	35.9	49.7	15.1	22.4	31.3	40.8	56.7	15.1	22.4	31.3	40.8	56.7
	406	10.9	15.0	20.2	25.5	35.4	13.2	18.0	24.3	30.7	42.4	14.4	21.0	28.5	35.9	49.7	15.1	22.4	31.3	40.8	56.7	15.1	22.4	31.3	40.8	56.7
	610	10.9	15.0	20.2	25.5	35.4	13.2	18.0	24.3	30.7	42.4	14.4	21.0	28.5	35.9	49.7	15.1	22.4	31.3	40.8	56.7	15.1	22.4	31.3	40.8	56.7
4.80	305	10.0	13.7	18.0	22.4	30.9	12.1	16.5	21.6	26.9	37.1	13.4	19.2	25.3	31.6	43.5	14.2	21.1	28.5	36.1	49.9	14.2	21.1	28.5	36.1	49.9
	406	10.0	13.7	18.0	22.4	30.9	12.1	16.5	21.6	26.9	37.1	13.4	19.2	25.3	31.6	43.5	14.2	21.1	28.5	36.1	49.9	14.2	21.1	28.5	36.1	49.9
	610	10.0	13.7	18.0	22.4	30.9	12.1	16.5	21.6	26.9	37.1	13.4	19.2	25.3	31.6	43.5	14.2	21.1	28.5	36.1	49.9	14.2	21.1	28.5	36.1	49.9
5.20	305	9.0	12.4	16.0	19.8	27.1	11.0	14.9	19.2	23.7	32.6	12.4	17.5	22.5	27.9	38.3	13.2	19.7	25.8	31.9	44.0	13.2	19.7	25.8	31.9	44.0
	406	9.0	12.4	16.0	19.8	27.1	11.0	14.9	19.2	23.7	32.6	12.4	17.5	22.5	27.9	38.3	13.2	19.7	25.8	31.9	44.0	13.2	19.7	25.8	31.9	44.0
	610	9.0	12.4	16.0	19.7	27.1	11.0	14.9	19.2	23.7	32.6	12.4	17.5	22.5	27.9	38.3	13.2	19.7	25.8	31.9	44.0	13.2	19.7	25.8	31.9	44.0
5.60	305	8.1	11.1	14.2	17.5	23.9	9.9	13.4	17.0	21.0	28.8	11.4	15.7	20.0	24.7	33.9	12.2	18.0	22.9	28.4	39.1	12.2	18.0	22.9	28.4	39.1
	406	8.1	11.1	14.2	17.5	23.9	9.9	13.4	17.0	21.0	28.8	11.4	15.7	20.0	24.7	33.9	12.2	18.0	22.9	28.4	39.1	12.2	18.0	22.9	28.4	39.1
	610	8.1	11.1	14.2	17.5	23.9	9.9	13.4	17.0	21.0	28.8	11.4	15.7	20.0	24.7	33.9	12.2	18.0	22.9	28.4	39.1	12.2	18.0	22.9	28.4	39.1
6.00	305	7.4	10.0	12.6	15.6	21.2	8.9	12.0	15.2	18.7	25.5	10.5	14.1	17.8	22.0	30.2	11.2	16.2	20.5	25.3	34.8	11.2	16.2	20.5	25.3	34.8
	406	7.3	10.0	12.6	15.6	21.2	8.9	12.0	15.1	18.7	25.5	10.5	14.1	17.8	22.0	30.2	11.2	16.2	20.5	25.3	34.8	11.2	16.2	20.5	25.3	34.8
	610	7.3	10.0	12.6	15.5	21.2	8.9	12.0	15.1	18.7	25.5	10.4	14.1	17.8	22.0	30.2	11.2	16.2	20.5	25.3	34.8	11.2	16.2	20.5	25.3	34.8

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

0.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	400S162						400S200						400S250						400S300						
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
2.40	305	12.5	17.9	29.2	39.3	58.2	14.9	22.3	36.6	48.6	70.8	16.2	24.9	39.7	55.2	81.7	16.9	25.5	40.6	57.4	88.5	16.3	24.8	40.0	56.7	87.8
	406	11.9	17.3	28.6	38.7	57.7	14.2	21.6	36.0	47.9	70.2	15.5	24.2	39.0	54.5	81.0	16.3	24.8	40.0	56.7	87.8	15.0	23.5	38.7	55.4	86.5
	610	10.7	16.1	27.4	37.5	56.6	13.0	20.3	34.7	46.6	69.0	14.3	22.9	37.7	53.1	79.7	15.0	23.5	38.7	55.4	86.5	13.1	21.2	35.4	51.3	79.6
2.80	305	11.3	16.5	26.9	36.3	53.7	13.6	20.5	33.5	44.6	65.0	14.9	23.3	37.5	51.6	75.0	15.6	23.9	38.0	54.2	82.3	14.8	23.0	37.1	53.2	81.4
	406	10.5	15.7	26.1	35.4	52.9	12.7	19.6	32.6	43.7	64.1	14.0	22.3	36.5	50.6	74.0	14.8	23.0	37.1	53.2	81.4	13.1	21.2	35.4	51.3	79.6
	610	9.0	14.1	24.5	33.8	51.4	11.0	17.9	30.9	42.0	62.6	12.3	20.5	34.7	48.7	72.2	13.1	21.2	35.4	51.3	79.6	14.1	22.0	34.9	50.0	75.7
3.20	305	10.0	14.8	24.1	32.7	48.3	12.1	18.5	30.0	40.1	58.3	13.3	21.3	34.2	46.7	67.4	14.1	22.0	34.9	50.0	75.7	13.0	20.8	33.7	48.8	74.5
	406	9.0	13.8	23.1	31.6	47.3	11.0	17.4	28.8	39.0	57.3	12.2	20.1	33.0	45.4	66.2	13.0	20.8	33.7	48.8	74.5	10.9	18.5	31.5	46.3	72.1
	610	7.1	11.8	21.2	29.6	45.4	9.0	15.2	26.7	36.7	55.3	10.2	17.8	30.7	43.0	63.9	10.9	18.5	31.5	46.3	72.1	8.7	15.7	27.5	40.3	63.3
3.60	305	8.5	13.0	21.1	28.5	42.4	10.4	16.3	26.2	35.1	51.3	11.7	19.1	30.7	41.0	59.5	12.5	19.9	31.4	44.7	67.8	11.2	18.5	30.1	43.1	66.3
	406	7.3	11.8	19.9	27.3	41.2	9.2	15.0	24.9	33.7	50.0	10.4	17.6	29.2	39.5	58.0	11.2	18.5	30.1	43.1	66.3	8.7	15.7	27.5	40.3	63.3
	610	5.2 ³	9.5	17.7	24.9	39.0	6.9 ⁴	12.5	22.5	31.2	47.6	8.0	14.9	26.5	36.7	55.3	8.7	15.7	27.5	40.3	63.3	10.0	16.6	26.4	35.2	51.4
4.00	305	7.0	11.1	18.0	24.2	36.2	8.8	14.0	22.3	29.9	44.1	10.0	16.6	26.4	35.2	51.4	10.8	17.7	28.0	39.2	59.0	9.3	16.0	26.4	37.4	57.2
	406	5.8 ⁴	9.8	16.7	22.9	35.0	7.4	12.5	20.9	28.4	42.7	8.5	15.0	24.8	33.6	49.8	9.3	16.0	26.4	37.4	57.2	5.9 ³	12.0	21.9	30.6	46.8
	610	3.5 ³	7.3 ³	14.4 ⁴	20.4	32.6	4.9 ³	9.9 ⁴	18.4	25.8	40.1	5.9 ³	12.0	21.9	30.6	46.8	6.6 ⁴	12.9	23.5	34.2	54.0	8.3	14.1	22.2	29.7	43.8
4.40	305	5.6 ⁴	9.3	15.1	20.3	30.7	7.2	11.8	18.8	25.1	37.4	8.3	14.1	22.2	29.7	43.8	9.1	15.4	24.7	34.0	50.4	7.5 ⁴	13.5	23.0	32.1	48.6
	406	4.3 ³	7.8 ⁴	13.8	18.9	29.3	5.7 ³	10.3	17.3	23.6	36.0	6.8 ⁴	12.4	20.6	28.0	42.1	7.5 ⁴	13.5	23.0	32.1	48.6	4.0 ³	9.2 ³	17.6 ⁴	24.9	39.0
	610	2.0 ²	5.3 ³	11.5 ³	16.5 ⁴	26.9	3.2 ³	7.5 ³	14.7 ⁴	20.9	33.3	4.0 ³	9.2 ³	17.6 ⁴	24.9	39.0	4.6 ³	10.2 ⁴	19.8	28.7	45.3	6.8 ⁴	12.4	20.6	28.0	42.1
4.80	305	4.3 ³	7.6 ⁴	12.6	17.0	25.9	5.7 ³	9.8	15.8	21.1	31.8	6.8 ⁴	11.8	18.7	25.0	37.3	7.5 ⁴	13.2	21.3	28.9	43.1	5.2 ³	10.0 ⁴	17.0	23.3	35.6
	406	3.0 ³	6.1 ³	11.3 ³	15.7	24.6	4.2 ³	8.2 ³	14.3 ⁴	19.6	30.3	5.2 ³	10.0 ⁴	17.0	23.3	35.6	5.8 ³	11.2 ⁴	19.4	27.0	41.3	2.4 ²	6.8 ³	14.1 ³	20.3 ⁴	32.5
	610	0.8 ²	3.6 ²	9.0 ³	13.2 ³	22.2 ⁴	1.7 ²	5.4 ³	11.7 ³	16.9 ³	27.7	2.4 ²	6.8 ³	14.1 ³	20.3 ⁴	32.5	2.9 ²	7.8 ³	16.2 ³	23.6	37.9	5.3 ³	9.6 ⁴	15.7	21.1	31.9
5.20	305	3.2 ³	6.0 ³	10.5 ⁴	14.3	22.0	4.4 ³	8.0 ³	13.2	17.8	27.1	5.3 ³	9.6 ⁴	15.7	21.1	31.9	6.0 ³	11.1	18.1	24.5	37.0	3.7 ³	7.9 ³	14.1 ⁴	19.5	30.2
	406	2.0 ²	4.6 ³	9.2 ³	12.9 ³	20.7	2.9 ²	6.4 ³	11.7 ³	16.3 ⁴	25.7	3.7 ³	7.9 ³	14.1 ⁴	19.5	30.2	4.3 ³	9.1 ³	16.3 ⁴	22.6	35.1	1.0 ²	4.8 ²	11.2 ³	16.5 ³	27.1 ⁴
	610	2.2 ²	2.2 ²	6.9 ²	10.6 ³	18.3 ³	0.4 ¹	3.7 ²	9.2 ³	13.7 ³	23.1 ⁴	1.0 ²	4.8 ²	11.2 ³	16.5 ³	27.1 ⁴	1.4 ²	5.6 ³	13.1 ³	19.3 ³	31.8	6.4 ³	12.0 ⁴	18.8	27.3	
5.60	305	2.3 ²	4.7 ³	8.7 ³	12.0 ⁴	18.8	3.2 ³	6.4 ³	11.0 ³	15.0 ⁴	23.2	4.1 ³	7.8 ³	13.1 ⁴	17.9	27.3	4.7 ³	9.1 ³	15.2 ⁴	20.8	31.8	2.2 ²	5.0 ³	10.1 ³	15.2 ³	23.5
	406	1.1 ¹	3.4 ²	7.4 ³	10.7 ³	17.5 ⁴	1.8 ²	4.8 ²	9.6 ³	13.5 ³	21.8	2.5 ²	6.1 ³	11.5 ³	16.3 ⁴	25.6	3.0 ²	7.1 ³	13.4 ³	18.9 ⁴	30.0	1.0 ¹	3.7 ²	8.8 ²	13.4 ³	22.7 ³
	610	1.6 ²	3.7 ²	7.2 ³	10.1 ³	16.0 ⁴	1.0 ¹	3.6 ²	7.8 ²	11.3 ³	18.5 ³	1.5 ²	4.6 ²	9.4 ³	13.6 ³	21.9 ⁴	3.5 ²	7.3 ³	12.7 ³	17.7	27.5	2.3 ²	5.0 ³	11.0 ³	15.2 ³	23.5
6.00	305	1.6 ²	3.7 ²	7.2 ³	10.1 ³	16.0 ⁴	1.0 ¹	3.6 ²	7.8 ²	11.3 ³	18.5 ³	1.5 ²	4.6 ²	9.4 ³	13.6 ³	21.9 ⁴	3.5 ²	7.3 ³	12.7 ³	17.7	27.5	0.1 ¹	3.7 ²	8.8 ²	13.4 ³	22.7 ³
	406	0.4 ¹	2.3 ²	6.0 ²	8.8 ³	14.8 ³	1.0 ¹	3.6 ²	7.8 ²	11.3 ³	18.5 ³	1.5 ²	4.6 ²	9.4 ³	13.6 ³	21.9 ⁴	3.5 ²	7.3 ³	12.7 ³	17.7	27.5	0.1 ¹	3.7 ²	8.8 ²	13.4 ³	22.7 ³
	610	0.1 ¹	0.1 ¹	3.9 ¹	6.6 ²	12.6 ²	0.1 ¹	1.1 ¹	5.5 ¹	8.9 ²	16.1 ³	1.1 ¹	1.7 ¹	6.8 ²	10.8 ²	19.0 ³	2.1 ²	5.4 ³	11.0 ³	15.9 ³	25.7	2.1 ²	5.4 ³	11.0 ³	15.9 ³	25.7

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

1.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	400S162						400S200						400S250						400S300													
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97		
2.40	305	10.7	16.1	27.4	37.5	56.6	13.0	20.3	34.7	46.6	69.0	14.3	22.9	37.7	53.1	79.7	15.0	23.5	38.7	55.4	86.5												
	406	9.6	14.9	26.3	36.3	55.5	11.7	19.0	33.4	45.3	67.9	13.0	21.5	36.5	51.7	78.3	13.8	22.2	37.5	54.1	85.2												
	610	7.4	12.7	24.1	34.0	53.4	9.4	16.6	31.0	42.9	65.6	10.6	18.9	34.0	49.1	75.7	11.4	19.6	35.1	51.4	82.6												
2.80	305	9.0	14.1	24.5	33.8	51.4	11.0	17.9	30.9	42.0	62.6	12.3	20.5	34.7	48.7	72.2	13.1	21.2	35.4	51.3	79.6												
	406	7.5	12.6	23.0	32.2	49.9	9.5	16.2	29.3	40.3	61.0	10.7	18.7	33.0	46.8	70.4	11.5	19.4	33.7	49.5	77.7												
	610	4.8 ⁴	9.7	20.2	29.3	47.1	6.5	13.1	26.1	37.0	58.0	7.7	15.4	29.7	43.3	67.0	8.4	16.1	30.5	46.0	74.2												
3.20	305	7.1	11.8	21.2	29.6	45.4	9.0	15.2	26.7	36.7	55.3	10.2	17.8	30.7	43.0	63.9	10.9	18.5	31.5	46.3	72.1												
	406	5.4 ⁴	10.0	19.4	27.7	43.6	7.1	13.2	24.7	34.7	53.3	8.2	15.6	28.6	40.7	61.7	9.0	16.4	29.5	44.0	69.7												
	610	2.3 ³	6.7 ³	16.1 ⁴	24.2	40.1	3.7 ³	9.6 ⁴	21.1	30.8	49.7	4.7 ³	11.6	24.6	36.4	57.5	5.4 ³	12.3	25.6	39.6	65.3												
3.60	305	5.2 ³	9.5	17.7	24.9	39.0	6.9 ⁴	12.5	22.5	31.2	47.6	8.0	14.9	26.5	36.7	55.3	8.7	15.7	27.5	40.3	63.3												
	406	3.4 ³	7.5 ³	15.7 ⁴	22.8	36.9	4.8 ³	10.3 ⁴	20.2	28.9	45.4	5.8 ³	12.4	24.0	34.1	52.7	6.5 ⁴	13.2	25.0	37.6	60.6												
	610	3.9 ³	9.3 ³	12.2 ³	19.0 ³	33.1	1.1 ²	6.3 ³	16.3 ³	24.7 ⁴	41.3	1.9 ³	8.0 ³	19.6 ⁴	29.4	48.0	2.5 ³	8.7 ³	20.6 ⁴	32.7	55.5												
4.00	305	3.5 ³	7.3 ³	14.4 ⁴	20.4	32.6	4.9 ³	9.9 ⁴	18.4	25.8	40.1	5.9 ³	12.0	21.9	30.6	46.8	6.6 ⁴	12.9	23.5	34.2	54.0												
	406	1.6 ²	5.2 ³	12.3 ³	18.2 ⁴	30.4	2.7 ³	7.5 ³	16.1 ⁴	23.3	37.8	3.6 ³	9.3 ³	19.3 ⁴	27.8	44.1	4.2 ³	10.2 ⁴	20.8	31.3	51.0												
	610	1.4 ²	8.7 ²	14.4 ³	26.5 ³	46.5 ³	3.4 ²	12.0 ³	19.0 ³	33.5 ⁴	53.5 ³	4.7 ³	14.7 ³	23.0 ³	39.1	63.3 ³	5.3 ³	16.1 ³	26.1 ⁴	45.7	75.5 ³												
4.40	305	2.0 ²	5.3 ³	11.5 ³	16.5 ⁴	26.9	3.2 ³	7.5 ³	14.7 ⁴	20.9	33.3	4.0 ³	9.2 ³	17.6 ⁴	24.9	39.0	4.6 ³	10.2 ⁴	19.8	28.7	45.3												
	406	3.1 ²	9.4 ³	14.3 ³	24.7 ⁴	41.3	0.9 ²	5.1 ³	12.4 ³	18.5 ³	31.0	1.6 ²	6.5 ³	15.0 ³	22.2 ⁴	36.2	2.1 ²	7.3 ³	17.0 ³	25.7 ⁴	42.2												
	610	5.8 ²	10.5 ²	20.8 ³	36.7 ⁴	62.7 ³	0.9 ²	8.4 ²	14.3 ³	26.7 ³	47.3 ³	1.8 ²	10.5 ²	17.4 ³	31.3 ³	54.7 ³	2.3 ²	8.7 ³	20.4 ³	36.8 ⁴	63.3												
4.80	305	0.8 ²	3.6 ²	9.0 ³	13.2 ³	22.2 ⁴	1.7 ²	5.4 ³	11.7 ³	16.9 ³	27.7	2.4 ²	6.8 ³	14.1 ³	20.3 ⁴	32.5	2.9 ²	7.8 ³	16.2 ³	23.6	37.9												
	406	1.4 ²	7.0 ²	11.1 ³	20.0 ³	33.1	3.0 ²	9.5 ³	18.4 ³	25.4 ³	41.3	4.1 ²	11.6 ³	17.6 ³	29.7 ⁴	48.0	0.4 ²	4.8 ²	13.4 ³	20.6 ³	34.9												
	610	3.5 ¹	7.4 ²	16.3 ²	26.5 ³	46.5 ³	5.6 ¹	10.5 ²	21.2 ²	33.5 ³	53.5 ³	7.2 ²	13.0 ²	24.9 ³	43.3 ³	72.2 ³	14.2 ²	5.6 ³	13.1 ³	19.3 ³	31.8												
5.20	305	2.2 ²	6.9 ²	10.6 ³	18.3 ³	30.4	3.7 ²	9.2 ³	13.7 ³	23.1 ⁴	37.3	1.0 ²	4.8 ²	11.2 ³	16.5 ³	27.1 ⁴	1.4 ²	5.6 ³	13.1 ³	19.3 ³	31.8												
	406	0.1 ¹	5.0 ¹	8.5 ²	16.2 ³	26.5 ³	1.4 ¹	7.1 ²	11.4 ²	20.8 ³	34.7	2.2 ²	8.7 ²	13.9 ³	24.4 ³	41.3	2.7 ²	8.2 ³	16.4 ³	28.8 ⁴	47.3												
	610	1.7 ¹	5.0 ¹	12.6 ²	26.2 ³	46.2 ³	2.2 ¹	7.2 ²	11.0 ²	19.3 ³	33.3	3.1 ²	9.5 ²	16.8 ²	29.7 ³	49.1	3.1 ²	10.9 ²	21.3 ³	38.8 ⁴	63.3												
5.60	305	1.0 ¹	5.2 ²	8.4 ²	15.2 ³	25.3	2.2 ¹	7.2 ²	11.0 ²	19.3 ³	33.3	3.1 ²	9.5 ²	16.8 ²	29.7 ³	49.1	3.1 ²	10.9 ²	21.3 ³	38.8 ⁴	63.3												
	406	3.4 ¹	6.4 ¹	13.2 ²	26.2 ³	46.2 ³	1.1 ¹	5.1 ²	8.9 ²	17.1 ³	33.3	0.6 ¹	6.4 ²	10.9 ²	20.1 ³	34.7	0.9 ¹	7.6 ²	12.9 ²	23.8 ³	40.3												
	610	0.2 ¹	3.1 ¹	9.7 ¹	17.1 ²	29.7 ²	1.6 ¹	5.2 ²	8.9 ²	16.3 ³	26.5 ³	1.7 ¹	6.8 ²	10.8 ²	19.0 ³	34.7	2.1 ²	8.2 ³	15.7 ³	26.7 ⁴	45.3												
6.00	305	0.1 ¹	3.9 ¹	6.8 ²	12.6 ²	22.2 ³	1.1 ¹	5.5 ²	8.9 ²	16.3 ³	26.5 ³	1.1 ¹	5.5 ²	8.9 ²	16.3 ³	26.5 ³	1.1 ¹	5.5 ²	8.9 ²	16.3 ³	26.5 ³												
	406	2.1 ¹	4.7 ¹	10.6 ²	20.6 ²	33.1	3.5 ¹	6.8 ¹	14.0 ²	26.5 ³	46.5 ³	5.6 ¹	10.5 ²	21.2 ²	33.5 ³	53.5 ³	7.2 ²	13.0 ²	24.9 ³	43.3 ³	72.2 ³												
	610	1.5 ¹	7.4 ¹	15.1 ²	30.4	50.7	0.1 ¹	3.3 ¹	7.4 ¹	14.0 ²	26.5 ³	0.1 ¹	3.3 ¹	7.4 ¹	14.0 ²	26.5 ³	0.1 ¹	3.3 ¹	7.4 ¹	14.0 ²	26.5 ³												

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

2.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	400S162						400S200						400S250						400S300					
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa	
		33	43	54	68	97	97	33	43	54	68	97	97	33	43	54	68	97	97	33	43	54	68	97	97
2.40	305	7.4	12.7	24.1	34.0	53.4	9.4	16.6	31.0	42.9	65.6	10.6	18.9	34.0	49.1	75.7	11.4	19.6	35.1	51.4	82.6				
	406	5.3	10.5	22.0	31.8	51.3	7.1	14.2	28.6	40.5	63.4	8.3	16.5	31.6	46.5	73.2	9.1	17.1	32.7	48.9	80.0				
	610	1.4 ³	6.4 ⁴	18.0	27.6	47.3	2.9 ³	9.8	24.1	35.8	59.2	4.0 ⁴	11.7	26.9	41.5	68.3	4.7 ⁴	12.4	28.1	44.0	75.1				
2.80	305	4.8 ⁴	9.7	20.2	29.3	47.1	6.5	13.1	26.1	37.0	58.0	7.7	15.4	29.7	43.3	67.0	8.4	16.1	30.5	46.0	74.2				
	406	2.3 ³	7.0 ⁴	17.6	26.5	44.4	3.8 ³	10.2 ⁴	23.2	34.0	55.1	4.9 ⁴	12.2	26.5	39.9	63.6	5.5 ⁴	12.9	27.4	42.6	70.9				
	610	2.2 ³	6.7 ³	12.8 ³	21.3 ⁴	39.3	4.9 ³	9.6 ⁴	17.8 ³	28.3 ⁴	49.7	6.4 ³	11.6	20.7 ⁴	33.6	57.4	7.1 ³	12.3	21.7 ⁴	36.3	64.4				
3.20	305	2.3 ³	6.7 ³	16.1 ⁴	24.2	40.1	3.7 ³	9.6 ⁴	21.1	30.8	49.7	4.7 ³	11.6	24.6	36.4	57.5	5.4 ³	12.3	25.6	39.6	65.3				
	406	0.6 ²	3.7 ³	13.1 ³	20.9 ⁴	37.0	0.6 ³	6.3 ³	17.7 ³	27.3	46.3	1.5 ³	8.0 ³	20.9 ⁴	32.5	53.5	2.1 ³	8.6 ⁴	21.9 ⁴	35.6	61.2				
	610			7.8 ²	15.1 ³	31.2 ³	0.4 ²	0.4 ²	11.7 ³	20.9 ³	40.0 ⁴		1.5 ³	14.3 ³	25.3 ³	46.3		1.9 ³	15.4 ³	28.2 ⁴	53.5				
3.60	305	3.9 ³	7.9 ³	12.2 ³	19.0 ³	33.1	1.1 ²	6.3 ³	16.3 ³	24.7 ⁴	41.3	1.9 ³	8.0 ³	19.6 ⁴	29.4	48.0	2.5 ³	8.7 ³	20.6 ⁴	32.7	55.5				
	406	0.6 ²	3.7 ³	9.0 ²	15.6 ³	29.6 ³	2.7 ²	6.3 ³	12.7 ³	20.9 ³	37.6 ⁴	4.0 ³	8.0 ³	15.6 ³	25.2 ³	43.7		4.6 ³	16.6 ³	28.2 ⁴	50.9				
	610			3.5 ¹	9.6 ²	23.5 ³		6.6 ²	14.3 ²	31.0 ³			8.6 ²	17.7 ³	35.9 ³			5.3 ³	16.1 ³	26.1 ⁴	45.7				
4.00	305	1.4 ²	4.7 ³	8.7 ²	14.4 ³	26.5 ³		3.4 ²	12.0 ³	19.0 ³	33.5 ⁴		4.7 ³	14.7 ³	23.0 ³	39.1		5.3 ³	16.1 ³	26.1 ⁴	45.7				
	406			5.5 ²	10.9 ²	23.0 ³		2.7 ²	8.5 ²	15.3 ³	29.8 ³		0.6 ²	10.7 ²	18.7 ³	34.7 ³		1.0 ²	11.9 ³	21.5 ³	40.8 ⁴				
	610			0.1 ¹	5.0 ¹	16.9 ²		2.3 ¹	8.7 ²	23.1 ²			1.8 ²	11.3 ²	26.9 ³			2.3 ²	12.1 ³	20.4 ³	36.8 ⁴				
4.40	305	5.8 ²	10.5 ²	20.8 ³				0.9 ²	8.4 ²	14.3 ³	26.7 ³			10.5 ²	17.4 ³	31.3 ³			12.1 ³	20.4 ³	36.8 ⁴				
	406	2.7 ¹	7.2 ¹	17.4 ²					5.0 ¹	10.7 ²	23.0 ³			6.6 ²	13.3 ²	26.9 ³			7.8 ²	15.8 ²	32.0 ³				
	610		1.5 ¹	11.6 ¹					4.4 ¹	16.6 ²				6.1 ¹	19.3 ²				0.4 ¹	7.9 ¹	23.7 ²				
4.80	305	3.5 ¹	7.4 ²	16.3 ²					5.6 ¹	10.5 ²	21.3 ³			7.2 ²	13.0 ²	24.9 ³			8.5 ²	15.5 ³	29.5 ³				
	406	0.5 ¹	4.3 ¹	13.0 ²					2.3 ¹	7.0 ¹	17.7 ²			3.4 ¹	9.0 ²	20.6 ²			4.3 ¹	11.0 ²	24.9 ³				
	610		7.4 ¹						1.0 ¹	11.5 ¹				2.2 ¹	13.4 ¹				3.3 ¹	16.8 ²					
5.20	305	1.7 ¹	5.0 ¹	12.6 ²					3.3 ¹	7.5 ¹	16.8 ²			4.5 ¹	9.5 ²	19.7 ²			5.5 ¹	11.4 ²	23.6 ³				
	406		2.0 ¹	9.5 ¹					0.2 ¹	4.2 ¹	13.4 ¹			0.9 ¹	5.7 ¹	15.7 ²			1.4 ¹	7.1 ¹	19.1 ²				
	610		4.2 ¹						7.5 ¹					8.7 ¹					11.4 ¹						
5.60	305		0.2 ¹	3.1 ¹					1.6 ¹	5.2 ¹	13.3 ²			2.4 ¹	6.7 ¹	15.5 ²			3.1 ¹	8.2 ¹	18.8 ²				
	406		0.2 ¹	6.7 ¹					2.0 ¹	10.0 ¹				3.0 ¹	11.7 ¹				4.1 ¹	14.5 ²					
	610		1.7 ¹						4.4 ¹					5.0 ¹					7.2 ¹						
6.00	305		1.5 ¹	7.4 ¹					0.1 ¹	3.3 ¹	10.4 ¹			0.7 ¹	4.4 ¹	12.2 ¹			1.1 ¹	5.6 ¹	14.9 ²				
	406		4.5 ¹						0.2 ¹	7.2 ¹				1.0 ¹	8.4 ¹				1.7 ¹	10.8 ¹					
	610								1.9 ¹					2.1 ¹					3.8 ¹						

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

2.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	400S162						400S200						400S250						400S300							
		230 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	
2.40	305	5.8	11.0	22.5	32.4	51.8	7.7	14.8	29.2	41.0	64.0	8.9	17.1	32.1	47.1	73.8	9.7	17.7	33.3	49.5	80.7	9.7	17.7	33.3	49.5	80.7	
	406	3.3 ⁴	8.4	20.0	29.7	49.3	5.0 ⁴	12.0	26.3	38.1	61.3	6.1	14.1	29.2	43.9	70.7	6.9	14.7	30.4	46.4	77.5	6.9	14.7	30.4	46.4	77.5	
	610		3.6 ³	15.2 ⁴	24.6	44.4	6.6 ⁴	10.9	21.0	32.6	56.1	1.0 ³	8.4 ⁴	23.6	37.9	64.7	1.6 ³	9.0	24.8	40.4	71.5	1.6 ³	9.0	24.8	40.4	71.5	
2.80	305	2.9 ³	7.7 ⁴	18.2	27.2	45.1	4.4 ³	10.9	23.9	34.7	55.8	5.5 ⁴	13.0	27.3	40.7	64.5	6.2 ⁴	13.7	28.2	43.4	71.7	6.2 ⁴	13.7	28.2	43.4	71.7	
	406		4.5 ³	15.1 ³	23.8	41.8	1.2 ³	7.5 ³	20.4 ⁴	31.1	52.4	2.2 ³	9.3 ⁴	23.5	36.7	60.5	2.8 ³	9.9 ⁴	24.5	39.4	67.6	2.8 ³	9.9 ⁴	24.5	39.4	67.6	
	610			9.4 ³	17.7 ³	35.8 ⁴	1.2 ³	1.2 ³	14.0 ³	24.3 ³	45.9	2.5 ³	2.5 ³	16.7 ³	29.3 ⁴	53.0	3.0 ³	3.0 ³	17.7 ³	31.8	59.9	3.0 ³	3.0 ³	17.7 ³	31.8	59.9	
3.20	305	0.2 ²	4.4 ³	13.9 ³	21.7 ⁴	37.7	1.3 ³	7.1 ³	18.5 ⁴	28.1	47.1	2.3 ³	8.9 ³	21.8 ⁴	33.4	54.5	2.9 ³	9.5 ⁴	22.8	36.6	62.2	2.9 ³	9.5 ⁴	22.8	36.6	62.2	
	406		0.9 ²	10.4 ³	17.9 ³	34.0 ⁴	3.2 ³	3.2 ³	14.6 ³	24.0 ³	43.1	4.6 ³	4.6 ³	17.5 ³	28.8 ⁴	49.8	5.2 ³	5.2 ³	18.6 ³	31.8	57.2	5.2 ³	5.2 ³	18.6 ³	31.8	57.2	
	610			4.2 ²	11.2 ²	27.2 ³			7.7 ²	16.6 ³	35.7 ³			9.9 ²	20.5 ³	41.3 ⁴			10.9 ³	23.1 ³	48.2 ⁴			10.9 ³	23.1 ³	48.2 ⁴	
3.60	305		1.4 ²	9.8 ³	16.4 ³	30.5 ⁴		3.6 ²	13.6 ³	21.8 ³	38.5		5.0 ³	16.5 ³	26.2 ⁴	44.7		5.6 ³	17.6 ³	29.3 ⁴	52.0			5.6 ³	17.6 ³	29.3 ⁴	52.0
	406			6.2 ²	12.5 ²	26.5 ³			9.5 ²	17.5 ³	34.2 ³		0.4 ²	12.0 ³	21.3 ³	39.7 ⁴		0.8 ²	13.0 ³	24.1 ³	46.5			0.8 ²	13.0 ³	24.1 ³	46.5
	610			5.6 ¹	19.4 ²				2.5 ¹	9.9 ²	26.5 ³			4.0 ²	12.8 ²	30.7 ³			4.8 ²	15.0 ²	36.8 ³			4.8 ²	15.0 ²	36.8 ³	
4.00	305			6.3 ²	11.8 ²	23.8 ³		0.6 ²	9.3 ²	16.2 ³	30.7 ³		1.6 ²	11.6 ³	19.7 ³	35.7 ⁴		2.0 ²	12.9 ³	22.6 ³	42.0 ⁴			2.0 ²	12.9 ³	22.6 ³	42.0 ⁴
	406			2.7 ¹	7.9 ²	19.8 ²			5.3 ²	11.9 ²	26.3 ³			7.0 ²	14.8 ²	30.6 ³			8.0 ²	17.3 ³	36.4 ³			8.0 ²	17.3 ³	36.4 ³	
	610			1.2 ¹	12.1	12.9 ¹			4.4 ¹	18.7 ²					6.4 ¹	21.7 ²				8.1 ²	26.6 ²				8.1 ²	26.6 ²	
4.40	305			3.4 ¹	8.0 ²	18.3 ²			5.8 ²	11.5 ²	23.9 ³			7.5 ²	14.3 ²	27.9 ³			8.8 ²	16.9 ³	33.2 ³			8.8 ²	16.9 ³	33.2 ³	
	406			4.2 ¹	14.4 ²				1.9 ¹	7.4 ¹	19.7 ²			3.1 ¹	9.6 ²	22.9 ²			3.9 ¹	11.7 ²	27.7 ³			3.9 ¹	11.7 ²	27.7 ³	
	610				7.7 ¹				0.3 ¹	12.3 ¹					1.5 ¹	14.3 ¹				2.6 ¹	18.1 ²				2.6 ¹	18.1 ²	
4.80	305			1.2 ¹	5.0 ¹	13.8 ²			3.1 ¹	7.9 ¹	18.5 ²			4.3 ¹	10.0 ²	21.7 ³			5.3 ¹	12.1 ²	26.0 ³			5.3 ¹	12.1 ²	26.0 ³	
	406			1.4 ¹	10.1 ¹					3.9 ¹	14.4 ¹				5.5 ¹	16.8 ²			0.5 ¹	7.0 ¹	20.7 ²			0.5 ¹	7.0 ¹	20.7 ²	
	610				3.7 ¹				7.4 ¹						8.6 ¹					11.5 ¹					11.5 ¹		
5.20	305			2.7 ¹	10.3 ¹				0.9 ¹	5.0 ¹	14.2 ²			1.7 ¹	6.6 ¹	16.6 ²			2.4 ¹	8.2 ¹	20.2 ²			2.4 ¹	8.2 ¹	20.2 ²	
	406				6.7 ¹				1.2 ¹	10.3 ¹					2.3 ¹	12.0 ¹			3.3 ¹	15.1 ²				3.3 ¹	15.1 ²		
	610				0.7 ¹				3.7 ¹						4.2 ¹				6.4 ¹					6.4 ¹			
5.60	305			0.9 ¹	7.4 ¹				2.7 ¹	10.8 ¹					3.9 ¹	12.6 ¹			5.1 ¹	15.5 ²				5.1 ¹	15.5 ²		
	406				4.1 ¹				7.0 ¹						8.2 ¹				0.5 ¹	10.7 ¹				0.5 ¹	10.7 ¹		
	610				0.7 ¹				0.7 ¹						0.7 ¹				2.4 ¹					2.4 ¹			
6.00	305			5.2 ¹					1.0 ¹	8.0 ¹					1.8 ¹	9.3 ¹			2.6 ¹					2.6 ¹			
	406			2.0 ¹					4.4 ¹						5.1 ¹				7.1 ¹					7.1 ¹			
	610																										

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

3.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	400S162						400S200						400S250						400S300												
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa				
		33	43	43	54	68	97	33	43	43	54	68	97	33	43	43	54	68	97	33	43	43	54	68	97	33	43	43	54	68	97	
2.40	305	4.3 ⁴	9.5	21.0	30.7	50.3	6.0	13.1	27.5	39.3	62.3	7.2	15.2	30.4	45.2	71.9	8.0	15.9	31.5	47.6	78.8											
	406	1.4 ³	6.4 ⁴	18.0	27.6	47.3	2.9 ³	9.8	24.1	35.8	59.2	4.0 ⁴	11.7	26.9	41.5	68.3	4.7 ⁴	12.4	28.1	44.0	75.1											
	610		0.8 ³	12.5 ³	21.7 ⁴	41.6		3.6 ³	17.9 ⁴	29.4	53.1		5.2 ³	20.5 ⁴	34.5	61.2		5.7 ⁴	21.7	37.0	68.0											
2.80	305	1.1 ³	5.8 ³	16.3 ⁴	25.1	43.1	2.5 ³	8.8 ⁴	21.8	32.5	53.7	3.5 ³	10.7	25.0	38.3	62.0	4.2 ³	11.4	26.0	41.0	69.2											
	406		2.2 ³	12.8 ³	21.3 ⁴	39.3		4.9 ³	17.8 ³	28.3 ⁴	49.7		6.4 ³	20.7 ⁴	33.6	57.4	0.2 ³	7.1 ³	21.7 ⁴	36.3	64.4											
	610			6.3 ²	14.3 ³	32.4 ³			10.5 ³	20.6 ³	42.2 ⁴			12.9 ³	25.1 ³	48.7			13.9 ³	27.6 ⁴	55.5											
3.20	305		2.2 ³	11.7 ³	19.4 ³	35.4		4.7 ³	16.1 ³	25.6 ⁴	44.7			16.1 ³	35.9 ⁴	62.0			20.2 ⁴	33.7	59.2											
	406			7.8 ²	15.1 ³	31.2 ³		0.4 ²	11.7 ³	20.9 ³	40.0 ⁴			4.0 ²	12.6 ²	31.7 ³			15.4 ³	28.2 ⁴	53.5											
	610			0.9 ¹	7.6 ²	23.5 ³			6.6 ²	14.3 ²	31.0 ³			1.1 ²	2.2 ²	8.2 ²			6.6 ²	18.4 ³	43.2 ³											
3.60	305			7.6 ²	14.0 ³	28.0 ³			11.1 ³	19.1 ³	35.9 ⁴			11.1 ³	22.4 ²	41.6			14.8 ³	26.1 ³	48.7											
	406			3.5 ¹	9.6 ²	23.5 ³			6.6 ²	14.3 ²	31.0 ³			8.6 ²	17.7 ³	35.9 ³			9.5 ²	20.3 ³	42.5 ⁴											
	610			2.0 ¹	15.6 ²	15.6 ²			2.0 ¹	5.8 ¹	22.4 ²			8.8 ²	16.7 ³	32.6 ³			0.4 ¹	10.1 ²	31.5 ³											
4.00	305			4.1 ¹	9.4 ²	21.4 ³			6.8 ²	13.5 ²	28.0 ³			6.8 ²	13.5 ²	28.0 ³			9.9 ²	19.4 ³	38.6 ³											
	406			0.1 ¹	5.0 ¹	16.9 ²			2.3 ¹	8.7 ²	23.1 ²			2.3 ¹	8.7 ²	23.1 ²			4.5 ²	13.5 ²	32.3 ³											
	610					9.2 ¹				0.5 ¹	14.6 ¹				1.9 ¹	16.9 ²			3.2 ¹	21.3 ²	43.2 ³											
4.40	305			1.3 ¹	5.7 ¹	15.9 ²			3.4 ¹	9.0 ²	21.3 ²			4.8 ¹	11.4 ²	24.9 ³			5.8 ²	13.7 ²	29.8 ³											
	406				1.5 ¹	11.6 ¹				4.4 ¹	16.6 ²				6.1 ¹	19.3 ²			0.4 ¹	7.9 ¹	23.7 ²											
	610					4.2 ¹					8.4 ¹				9.7 ¹	13.1 ¹																
4.80	305				2.8 ¹	11.5 ¹			0.8 ¹	5.4 ¹	16.0 ²			1.6 ¹	7.2 ¹	18.7 ²			2.3 ¹	8.9 ²	22.7 ²											
	406					7.4 ¹				1.0 ¹	11.5 ¹				2.2 ¹	13.4 ¹			3.3 ¹	16.8 ²												
	610					0.4 ¹					3.7 ¹				4.2 ¹	6.7 ¹																
5.20	305				0.6 ¹	8.1 ¹				2.7 ¹	11.8 ¹				3.9 ¹	13.8 ¹			5.2 ¹	17.1 ²												
	406					4.2 ¹					7.5 ¹				8.7 ¹	11.4 ¹			11.4 ¹	18.1 ²												
	610										0.2 ¹					1.8 ¹																
5.60	305					5.4 ¹				0.5 ¹	8.5 ¹				1.4 ¹	9.9 ¹			2.2 ¹	12.5 ¹												
	406					1.7 ¹					4.4 ¹				5.0 ¹	7.2 ¹			7.2 ¹	11.4 ¹												
	610																															
6.00	305					3.2 ¹					5.8 ¹				6.8 ¹	8.8 ¹			8.9 ¹	13.8 ¹												
	406										1.9 ¹				2.1 ¹	2.1 ¹			2.1 ¹	3.8 ¹												
	610																															

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

3.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	400S162						400S200						400S250						400S300													
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa					
		33	43	54	68	97	97	33	43	54	68	97	97	33	43	54	68	97	97	33	43	54	68	97	97	33	43	54	68	97			
2.40	305	2.8 ³	7.9	19.5	29.2	48.8	4.4 ⁴	11.4	25.8	37.5	60.7	5.6	13.5	28.6	43.3	70.1	6.3	14.1	29.8	45.8	76.9												
	406		4.5 ³	16.1 ⁴	25.6	45.4	0.9 ³	7.7 ⁴	22.0	33.6	57.1	2.0 ³	9.5	24.7	39.1	65.9	2.6 ⁴	10.1	25.9	41.6	72.7												
	610			9.9 ³	19.0 ³	38.9		0.7 ³	15.0 ³	26.3 ⁴	50.2		2.1 ³	17.4 ³	31.2	57.9		2.6 ³	18.6 ⁴	33.6	64.6												
2.80	305		3.9 ³	14.5 ³	23.2 ⁴	41.2	0.6 ³	6.8 ³	19.7 ⁴	30.4	51.7	1.6 ³	8.5 ⁴	22.8	35.9	59.7	2.2 ³	9.2 ⁴	23.8	38.6	66.8												
	406			10.5 ³	18.9 ³	37.0 ⁴		2.4 ³	15.2 ³	25.6 ⁴	47.1		3.8 ³	18.0 ³	30.7 ⁴	54.4		4.3 ³	19.0 ⁴	33.3	61.4												
	610			3.3 ²	11.1 ²	29.2 ³			7.2 ²	17.1 ³	38.8 ³			9.3 ³	21.2 ³	44.7 ⁴			10.3 ³	23.6 ³	51.3												
3.20	305		0.2 ²	9.7 ³	17.2 ³	33.3 ⁴		2.5 ³	13.9 ³	23.2 ³	42.3		3.8 ³	16.7 ³	27.9 ⁴	48.9		4.4 ³	17.7 ³	30.9 ⁴	56.3												
	406			5.4 ²	12.5 ²	28.5 ³			9.0 ²	18.0 ³	37.1 ³			11.3 ³	22.1 ³	42.9 ⁴			12.3 ³	24.8 ³	49.9												
	610				4.2 ¹	20.0 ²			0.5 ¹	8.8 ²	27.9 ³			1.8 ²	11.8 ²	32.2 ³			2.7 ²	13.9 ²	38.4 ³												
3.60	305			5.5 ²	11.7 ²	25.7 ³			8.8 ²	16.6 ³	33.4 ³			11.1 ²	20.4 ³	38.7 ⁴			12.1 ³	23.1 ³	45.5 ⁴												
	406			1.0 ¹	6.9 ²	20.7 ²			3.8 ¹	11.3 ²	28.0 ³			5.5 ²	14.4 ²	32.4 ³			6.3 ²	16.7 ³	38.6 ³												
	610					12.1 ¹				2.0 ¹	18.5 ²				3.9 ¹	21.3 ²				5.5 ²	26.6 ²												
4.00	305			2.0 ¹	7.1 ¹	19.1 ²			4.5 ¹	11.1 ²	25.5 ³			6.2 ²	13.9 ²	29.6 ³			7.1 ²	16.3 ²	35.3 ³												
	406				2.4 ¹	14.2 ²				5.8 ¹	20.1 ²			0.6 ¹	8.0 ²	23.3 ²			1.3 ¹	9.8 ²	28.4 ³												
	610					5.7 ¹					10.8 ¹					12.4 ¹				16.4 ²													
4.40	305				3.5 ¹	13.6 ²			1.2 ¹	6.6 ¹	18.9 ²			2.2 ¹	8.7 ²	22.0 ²			3.0 ¹	10.7 ²	26.6 ³												
	406					8.9 ¹				1.6 ¹	13.7 ¹				3.0 ¹	15.9 ²				4.3 ¹	19.9 ²												
	610					0.9 ¹					4.8 ¹					5.5 ¹				8.4 ¹													
4.80	305				0.8 ¹	9.4 ¹				3.2 ¹	13.7 ¹				4.6 ¹	15.9 ²				6.1 ¹	19.7 ²												
	406					4.9 ¹					8.7 ¹					10.1 ¹					13.2 ¹												
	610										0.3 ¹					0.2 ¹					2.2 ¹												
5.20	305					6.1 ¹				0.5 ¹	9.6 ¹				1.5 ¹	11.2 ¹				2.4 ¹	14.2 ¹												
	406					1.8 ¹					4.9 ¹					5.6 ¹					8.0 ¹												
	610																																
5.60	305					3.5 ¹					6.4 ¹					7.4 ¹					9.8 ¹												
	406										1.9 ¹					2.1 ¹					3.9 ¹												
	610																																
6.00	305					1.4 ¹					3.8 ¹					4.4 ¹					6.2 ¹												
	406																					0.7 ¹											
	610																																

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

0 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	600S162						600S200						600S250						600S300					
		230 MPa		345 MPa		230 MPa	345 MPa		230 MPa		345 MPa		230 MPa	345 MPa		230 MPa		345 MPa		230 MPa	345 MPa				
		33	43	54	68		97	33	43	54	68	97		33	43	54	68	97	33		43	54	68	97	
2.40	305	16.4	22.5	36.6	48.4	73.7	19.0	28.6	48.8	64.8	101	20.6	30.8	49.9	71.9	118	21.5	31.4	51.8	72.7	126				
	406	16.4	22.5	36.6	48.4	73.7	19.0	28.6	48.8	64.8	101	20.6	30.8	49.9	71.9	118	21.5	31.4	51.8	72.7	126				
	610	16.4	22.5	36.6	48.4	73.7	19.0	28.6	48.8	64.8	101	20.6	30.8	49.9	71.9	118	21.5	31.4	51.8	72.7	126				
2.80	305	16.4	22.5	36.6	48.4	73.7	18.9	28.3	47.9	63.7	99.4	20.4	30.5	49.1	70.5	116	21.2	31.1	51.0	71.4	123				
	406	16.4	22.5	36.6	48.4	73.7	18.9	28.2	47.9	63.7	99.4	20.4	30.5	49.1	70.5	116	21.2	31.1	51.0	71.4	123				
	610	16.4	22.5	36.6	48.4	73.7	18.9	28.2	47.9	63.7	99.4	20.4	30.5	49.1	70.5	116	21.2	31.1	51.0	71.4	123				
3.20	305	16.3	22.5	36.6	48.4	73.7	18.6	27.8	46.8	62.1	96.9	20.1	30.1	48.1	68.8	112	20.9	30.7	49.9	69.8	120				
	406	16.3	22.5	36.6	48.4	73.7	18.6	27.8	46.8	62.1	96.9	20.1	30.1	48.1	68.8	112	20.9	30.7	49.9	69.8	120				
	610	16.3	22.5	36.6	48.4	73.7	18.6	27.8	46.8	62.1	96.9	20.1	30.1	48.1	68.8	112	20.9	30.7	49.9	69.8	120				
3.60	305	16.0	22.2	36.3	48.4	73.7	18.4	27.2	45.3	60.2	93.8	19.8	29.6	46.9	66.8	108	20.6	30.2	48.6	68.2	116				
	406	16.0	22.2	36.3	48.4	73.7	18.4	27.2	45.3	60.2	93.8	19.8	29.6	46.9	66.8	108	20.6	30.2	48.6	68.2	116				
	610	16.0	22.2	36.3	48.4	73.6	18.4	27.2	45.3	60.2	93.8	19.8	29.6	46.9	66.8	108	20.6	30.2	48.6	68.2	116				
4.00	305	15.7	21.8	35.2	47.4	73.7	18.0	26.5	43.5	57.8	90.0	19.4	29.0	45.4	64.5	104	20.1	29.6	47.2	66.3	111				
	406	15.7	21.8	35.2	47.4	73.6	18.0	26.5	43.5	57.8	90.0	19.4	29.0	45.4	64.5	104	20.1	29.6	47.2	66.3	111				
	610	15.7	21.8	35.2	47.4	73.6	18.0	26.5	43.5	57.8	90.0	19.4	29.0	45.4	64.5	104	20.1	29.6	47.2	66.3	111				
4.40	305	15.3	21.2	33.9	45.5	72.1	17.6	25.7	41.5	55.1	85.5	18.9	28.3	44.1	62.0	98.3	19.7	28.9	45.5	64.2	106				
	406	15.3	21.2	33.9	45.5	72.1	17.6	25.7	41.5	55.1	85.5	18.9	28.3	44.1	62.0	98.3	19.7	28.9	45.5	64.2	106				
	610	15.3	21.2	33.9	45.5	72.1	17.5	25.7	41.5	55.1	85.5	18.9	28.3	44.1	62.0	98.3	19.7	28.9	45.5	64.2	106				
4.80	305	14.8	20.5	32.2	43.2	68.3	17.1	24.7	39.2	52.0	80.7	18.4	27.6	42.8	59.4	92.7	19.2	28.2	43.7	62.0	101				
	406	14.8	20.5	32.2	43.2	68.3	17.1	24.7	39.2	52.0	80.7	18.4	27.6	42.8	59.4	92.7	19.2	28.2	43.7	62.0	101				
	610	14.8	20.5	32.2	43.2	68.3	17.0	24.7	39.2	52.0	80.7	18.4	27.6	42.8	59.3	92.7	19.1	28.2	43.7	62.0	101				
5.20	305	14.2	19.7	30.3	40.7	64.1	16.5	23.7	36.7	48.7	75.5	17.8	26.7	41.3	56.7	86.8	18.6	27.4	41.8	59.6	95.7				
	406	14.2	19.7	30.3	40.7	64.1	16.5	23.7	36.7	48.7	75.5	17.8	26.7	41.3	56.7	86.8	18.6	27.4	41.8	59.6	95.7				
	610	14.2	19.7	30.3	40.7	64.1	16.5	23.7	36.7	48.7	75.5	17.8	26.7	41.2	56.7	86.8	18.6	27.4	41.8	59.6	95.7				
5.60	305	13.6	18.9	28.3	38.0	59.6	15.8	22.6	34.2	45.4	70.1	17.1	25.8	39.1	52.8	80.7	17.9	26.5	39.8	56.7	90.6				
	406	13.6	18.9	28.3	38.0	59.6	15.8	22.6	34.2	45.4	70.1	17.1	25.8	39.1	52.8	80.7	17.9	26.5	39.8	56.7	90.6				
	610	13.6	18.9	28.3	38.0	59.6	15.8	22.6	34.2	45.4	70.1	17.1	25.8	39.1	52.8	80.7	17.9	26.5	39.8	56.7	90.6				
6.00	305	12.9	17.9	26.2	35.1	54.9	15.2	21.5	31.6	41.9	64.6	16.5	24.8	37.0	48.8	74.6	17.3	25.6	37.7	53.1	84.4				
	406	12.9	17.9	26.2	35.1	54.9	15.2	21.5	31.6	41.9	64.6	16.5	24.8	37.0	48.8	74.6	17.3	25.6	37.7	53.0	84.4				
	610	12.9	17.9	26.2	35.1	54.9	15.2	21.4	31.6	41.9	64.6	16.5	24.8	37.0	48.8	74.6	17.3	25.6	37.6	53.0	84.4				

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

0.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	600S162						600S200						600S250						600S300													
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa					
		33	43	43	54	68	97	33	43	43	54	68	97	33	43	43	54	68	97	33	43	43	54	68	97	33	43	43	54	68	97		
2.40	305	15.1	21.3	35.5	47.2	72.5	72.5	17.8	27.2	47.4	63.5	99.8	19.3	29.4	48.6	70.4	117	20.1	30.1	50.5	71.3	125											
	406	14.7	20.9	35.1	46.9	72.1	72.1	17.4	26.8	47.0	63.0	99.3	18.9	29.0	48.2	70.0	116	19.7	29.6	50.1	70.9	124											
	610	13.9	20.1	34.3	46.1	71.4	71.4	16.5	25.9	46.1	62.1	98.4	18.0	28.1	47.3	69.0	115	18.8	28.7	49.2	70.0	123											
2.80	305	14.6	20.8	35.0	46.8	72.0	72.0	17.1	26.4	46.0	61.8	97.4	18.6	28.6	47.3	68.5	113	19.4	29.2	49.1	69.5	121											
	406	14.1	20.3	34.5	46.2	71.5	71.5	16.5	25.7	45.4	61.1	96.7	18.0	28.0	46.7	67.9	113	18.8	28.6	48.5	68.9	120											
	610	12.9	19.2	33.4	45.2	70.4	70.4	15.4	24.5	44.1	59.9	95.4	16.8	26.7	45.5	66.6	111	17.6	27.4	47.4	67.6	119											
3.20	305	14.0	20.2	34.4	46.1	71.3	71.3	16.3	25.3	44.2	59.6	94.2	17.7	27.6	45.7	66.2	109	18.5	28.2	47.5	67.3	117											
	406	13.2	19.5	33.7	45.4	70.6	70.6	15.6	24.5	43.4	58.7	93.3	17.0	26.7	44.9	65.3	108	17.7	27.4	46.7	66.5	116											
	610	11.7	18.0	32.2	44.0	69.1	69.1	14.1	22.9	41.7	57.0	91.5	15.4	25.1	43.3	63.5	106	16.2	25.8	45.1	64.8	114											
3.60	305	13.1	19.3	33.4	45.4	70.5	70.5	15.4	24.0	42.0	56.8	90.2	16.7	26.3	43.7	63.3	104	17.5	27.0	45.5	64.8	112											
	406	12.1	18.3	32.4	44.4	69.5	69.5	14.4	23.0	40.9	55.7	89.0	15.8	25.3	42.7	62.2	103	16.5	26.0	44.5	63.8	111											
	610	10.3	16.5	30.5	42.5	67.4	67.4	12.6	21.0	38.8	53.6	86.7	13.8	23.2	40.7	59.9	101	14.6	23.9	42.5	61.6	108											
4.00	305	12.0	18.1	31.5	43.5	69.4	69.4	14.3	22.5	39.4	53.6	85.3	15.6	24.9	41.4	60.1	98.6	16.4	25.6	43.3	62.1	106											
	406	10.9	16.9	30.3	42.3	68.0	68.0	13.1	21.3	38.1	52.2	83.9	14.4	23.6	40.2	58.6	97.0	15.2	24.3	42.0	60.7	105											
	610	8.7	14.7	28.0	39.9	65.4	65.4	10.9	18.8	35.5	49.6	81.0	12.1	21.1	37.7	55.9	93.9	12.9	21.9	39.6	58.1	102											
4.40	305	10.9	16.7	29.3	40.7	66.6	66.6	13.1	20.8	36.4	49.9	79.8	14.4	23.3	39.2	56.5	92.2	15.1	24.1	40.8	59.0	100											
	406	9.6	15.4	27.9	39.2	64.9	64.9	11.7	19.4	34.9	48.2	78.0	13.0	21.8	37.6	54.8	90.2	13.7	22.6	39.3	57.3	98.0											
	610	7.1	12.8	25.3	36.4	61.6	61.6	9.2	16.5	32.0	45.1	74.5	10.3	18.8	34.7	51.5	86.5	11.0	19.7	36.4	54.1	94.3											
4.80	305	9.7	15.3	26.9	37.6	61.7	61.7	11.8	19.0	33.3	45.8	73.7	13.0	21.6	36.8	52.7	85.3	13.8	22.4	38.0	55.6	93.4											
	406	8.2	13.7	25.3	35.8	59.6	59.6	10.3	17.4	31.5	44.0	71.6	11.4	19.8	35.0	50.7	83.0	12.2	20.7	36.3	53.6	91.1											
	610	5.4 ⁴	10.8	22.3	32.7	55.9	55.9	7.4	14.2	28.3	40.5	67.7	8.5	16.4	31.6	46.9	78.7	9.2	17.3	33.0	49.9	86.7											
5.20	305	8.4	13.7	24.2	34.2	56.3	56.3	10.5	17.2	30.0	41.7	67.4	11.6	19.8	34.2	48.8	78.1	12.4	20.7	35.2	52.0	86.7											
	406	6.8	12.0	22.5	32.3	54.1	54.1	8.8	15.3	28.1	39.6	65.0	9.9	17.7	32.1	46.5	75.5	10.6	18.7	33.2	49.7	84.1											
	610	3.9 ³	8.8 ⁴	19.3	28.8	49.9	49.9	5.7 ³	11.9	24.6	35.8	60.6	6.7 ⁴	14.1	28.3	42.3	70.8	7.3 ⁴	15.0	29.5	45.5	79.1											
5.60	305	7.2	12.1	21.6	30.7	50.8	50.8	9.1	15.3	26.8	37.5	60.9	10.2	17.9	31.0	44.0	70.8	11.0	18.8	32.2	47.9	80.1											
	406	5.5 ⁴	10.3	19.8	28.7	48.4	48.4	7.3 ⁴	13.3	24.8	35.3	58.4	8.3	15.7	28.8	41.5	68.1	9.0	16.6	30.1	45.3	77.1											
	610	2.4 ³	7.0 ³	16.4 ⁴	25.0	44.0	44.0	4.1 ³	9.7 ⁴	21.1	31.3	53.8	4.9 ³	11.7 ⁴	24.8	37.1	63.0	5.5 ³	12.7	26.1	40.7	71.7											
6.00	305	6.0 ⁴	10.5	19.0	27.3	45.4	45.4	7.8	13.5	23.7	33.4	54.6	8.9	16.0	28.0	39.3	63.7	9.6	17.0	29.3	43.3	72.7											
	406	4.2 ³	8.6 ⁴	17.1	25.2	42.9	42.9	5.9 ³	11.4	21.6	31.1	52.0	6.9 ⁴	13.6	25.7	36.8	60.8	7.5 ⁴	14.6	26.9	40.6	69.5											
	610	1.1 ²	5.2 ³	13.8 ³	21.5 ⁴	38.4	38.4	2.6 ³	7.7 ³	17.9 ⁴	27.1	47.2	3.3 ³	9.5 ³	21.5 ⁴	32.2	55.6	3.8 ³	10.4 ⁴	22.8	35.8	63.8											

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

1.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	600S162						600S200						600S250						600S300						
		230 MPa			345 MPa			230 MPa			345 MPa			230 MPa			345 MPa			230 MPa			345 MPa			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
2.40	305	13.9	20.1	34.3	46.1	71.4	16.5	25.9	46.1	62.1	98.4	18.0	28.1	47.3	69.0	115	18.8	28.7	49.2	70.0	123	18.8	28.7	49.2	70.0	123
	406	13.1	19.3	33.6	45.4	70.6	15.7	25.0	45.2	61.2	97.5	17.1	27.2	46.4	68.1	114	18.0	27.8	48.3	69.1	122	18.0	27.8	48.3	69.1	122
	610	11.5	17.7	32.1	43.9	69.1	14.0	23.2	43.4	59.4	95.6	15.4	25.4	44.7	66.2	112	16.2	26.1	46.6	67.3	120	16.2	26.1	46.6	67.3	120
2.80	305	12.9	19.2	33.4	45.2	70.4	15.4	24.5	44.1	59.9	95.4	16.8	26.7	45.5	66.6	111	17.6	27.4	47.4	67.6	119	17.6	27.4	47.4	67.6	119
	406	11.8	18.1	32.3	44.1	69.3	14.3	23.3	42.9	58.6	94.1	15.6	25.5	44.3	65.3	110	16.4	26.2	46.2	66.4	118	16.4	26.2	46.2	66.4	118
	610	9.6	15.9	30.2	42.0	67.1	12.1	20.9	40.4	56.1	91.5	13.4	23.0	41.9	62.7	107	14.1	23.8	43.8	63.9	115	14.1	23.8	43.8	63.9	115
3.20	305	11.7	18.0	32.2	44.0	69.1	14.1	22.9	41.7	57.0	91.5	15.4	25.1	43.3	63.5	106	16.2	25.8	45.1	64.8	114	16.2	25.8	45.1	64.8	114
	406	10.3	16.6	30.8	42.5	67.6	12.6	21.3	40.1	55.4	89.8	13.9	23.5	41.7	61.8	105	14.7	24.2	43.6	63.1	112	14.7	24.2	43.6	63.1	112
	610	7.5	13.8	28.0	39.7	64.7	9.8	18.2	36.9	52.1	86.3	11.0	20.3	38.6	58.4	101	11.7	21.1	40.5	59.9	108	11.7	21.1	40.5	59.9	108
3.60	305	10.3	16.5	30.5	42.5	67.4	12.6	21.0	38.8	53.6	86.7	13.8	23.2	40.7	59.9	101	14.6	23.9	42.5	61.6	108	14.6	23.9	42.5	61.6	108
	406	8.5	14.7	28.7	40.6	65.5	10.8	19.0	36.8	51.5	84.4	12.0	21.2	38.7	57.8	98.2	12.7	21.9	40.6	59.5	106	12.7	21.9	40.6	59.5	106
	610	5.2	11.2	25.2	37.0	61.6	7.4	15.3	32.9	47.5	80.1	8.5	17.3	34.9	53.5	93.4	9.2	18.1	36.8	55.4	101	9.2	18.1	36.8	55.4	101
4.00	305	8.7	14.7	28.0	39.9	65.4	10.9	18.8	35.5	49.6	81.0	12.1	21.1	37.7	55.9	93.9	12.9	21.9	39.6	58.1	102	12.9	21.9	39.6	58.1	102
	406	6.7	12.6	25.9	37.6	62.8	8.8	16.5	33.1	47.0	78.2	9.9	18.7	35.3	53.2	90.9	10.7	19.5	37.2	55.5	98.5	10.7	19.5	37.2	55.5	98.5
	610	2.9 ³	8.6 ⁴	21.8	33.2	58.0	4.9 ⁴	12.2	28.6	42.3	72.9	5.8 ⁴	14.1	30.8	48.1	85.2	6.5	15.0	32.7	50.5	92.7	6.5	15.0	32.7	50.5	92.7
4.40	305	7.1	12.8	25.3	36.4	61.6	9.2	16.5	32.0	45.1	74.5	10.3	18.8	34.7	51.5	86.5	11.0	19.7	36.4	54.1	94.3	11.0	19.7	36.4	54.1	94.3
	406	4.8 ⁴	10.4	22.8	33.7	58.5	6.8 ⁴	13.9	29.2	42.2	71.3	7.8	16.0	31.9	48.4	83.0	8.5	16.9	33.6	51.0	90.7	8.5	16.9	33.6	51.0	90.7
	610	0.6 ³	5.9 ³	18.2 ⁴	28.8	52.8	2.5 ³	9.1 ⁴	24.1	36.8	65.1	3.2 ³	10.9 ⁴	26.7	42.5	76.3	3.8 ³	11.7	28.4	45.3	83.9	3.8 ³	11.7	28.4	45.3	83.9
4.80	305	5.4 ⁴	10.8	22.3	32.7	55.9	7.4	14.2	28.3	40.5	67.7	8.5	16.4	31.6	46.9	78.7	9.2	17.3	33.0	49.9	86.7	9.2	17.3	33.0	49.9	86.7
	406	3.0 ³	8.1 ⁴	19.6	29.7	52.4	4.8 ³	11.3	25.2	37.3	64.0	5.7 ⁴	13.3	28.4	43.4	74.7	6.4 ⁴	14.2	29.9	46.4	82.6	6.4 ⁴	14.2	29.9	46.4	82.6
	610		3.3 ³	14.6 ³	24.3 ⁴	46.1	0.2 ³	6.1 ³	19.8 ³	31.4	57.2	0.8 ³	7.7 ³	22.6 ⁴	36.9	67.4	1.2 ³	8.5 ³	24.1 ⁴	39.8	75.0	1.2 ³	8.5 ³	24.1 ⁴	39.8	75.0
5.20	305	3.9 ³	8.8 ⁴	19.3	28.8	49.9	5.7 ³	11.9	24.6	35.8	60.6	6.7 ⁴	14.1	28.3	42.3	70.8	7.3 ⁴	15.0	29.5	45.5	79.1	7.3 ⁴	15.0	29.5	45.5	79.1
	406	1.3 ³	6.0 ³	16.4 ⁴	25.7	46.2	3.0 ³	8.8 ³	21.4 ⁴	32.4	56.7	3.7 ³	10.7 ⁴	24.8	38.4	66.5	4.3 ³	11.6 ⁴	26.1	41.6	74.5	4.3 ³	11.6 ⁴	26.1	41.6	74.5
	610		1.0 ²	11.3 ³	20.0 ³	39.5 ⁴		3.3 ³	15.7 ³	26.2 ³	49.5	4.7 ³	11.7 ⁴	24.8	37.1	63.0	5.5 ³	12.7	26.1	40.7	71.7	5.5 ³	12.7	26.1	40.7	71.7
5.60	305	2.4 ³	7.0 ³	16.4 ⁴	25.0	44.0	4.1 ³	9.7 ⁴	21.1	31.3	53.8	4.9 ³	11.7 ⁴	24.8	37.1	63.0	5.5 ³	12.7	26.1	40.7	71.7	5.5 ³	12.7	26.1	40.7	71.7
	406		4.0 ³	13.5 ³	21.8 ³	40.2	1.2 ²	6.5 ³	17.8 ³	27.8 ⁴	49.6	1.9 ³	8.2 ³	21.1 ⁴	33.1	58.5	2.3 ³	9.0 ³	22.5 ⁴	36.6	66.8	2.3 ³	9.0 ³	22.5 ⁴	36.6	66.8
	610			8.3 ²	16.1 ³	33.3 ³		0.9 ²	12.1 ³	21.5 ³	42.3 ⁴		1.9 ²	14.7 ³	26.0 ³	50.4		2.6 ³	16.0 ³	29.2 ³	58.0	2.6 ³	16.0 ³	29.2 ³	58.0	
6.00	305	1.1 ²	5.2 ³	13.8 ³	21.5 ⁴	38.4	2.6 ³	7.7 ³	17.9 ⁴	27.1	47.2	3.3 ³	9.5 ³	21.5 ⁴	32.2	55.6	3.8 ³	10.4 ⁴	22.8	35.8	63.8	3.8 ³	10.4 ⁴	22.8	35.8	63.8
	406		2.2 ²	10.8 ³	18.2 ³	34.5 ⁴		4.4 ³	14.6 ³	23.5 ³	43.0	0.2 ²	5.8 ³	17.7 ³	28.2 ⁴	51.0	0.5 ²	6.7 ³	19.0 ³	31.5 ⁴	58.7	0.5 ²	6.7 ³	19.0 ³	31.5 ⁴	58.7
	610			5.6 ²	12.5 ²	27.7 ³		8.9 ²	17.2 ³	35.7 ³			11.2 ²	21.1 ³	42.9 ³			12.4 ³	24.0 ³	49.8 ⁴			12.4 ³	24.0 ³	49.8 ⁴	

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

1.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	600S162						600S200						600S250						600S300					
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa	
		33	43	54	68	97	97	33	43	54	68	97	97	33	43	54	68	97	97	33	43	54	68	97	97
2.40	305	12.7	18.9	33.2	45.0	70.2	70.2	15.3	24.5	44.7	60.8	97.0	97.0	16.7	26.7	46.0	67.6	114	17.5	27.4	47.9	68.6	122		
	406	11.5	17.7	32.1	43.9	69.1	69.1	14.0	23.2	43.4	59.4	95.6	95.6	15.4	25.4	44.7	66.2	112	16.2	26.1	46.6	67.3	120		
	610	9.1	15.4	29.9	41.7	66.8	66.8	11.6	20.6	40.8	56.8	92.9	92.9	12.9	22.7	42.2	63.5	109	13.7	23.4	44.1	64.6	117		
2.80	305	11.3	17.5	31.8	43.6	68.7	68.7	13.7	22.7	42.3	58.0	93.4	93.4	15.1	24.8	43.7	64.6	109	15.9	25.5	45.6	65.8	117		
	406	9.6	15.9	30.2	42.0	67.1	67.1	12.1	20.9	40.4	56.1	91.5	91.5	13.4	23.0	41.9	62.7	107	14.1	23.8	43.8	63.9	115		
	610	6.5	12.8	27.2	38.9	63.9	63.9	8.9	17.4	36.9	52.5	87.7	87.7	10.0	19.4	38.5	58.9	103	10.8	20.2	40.4	60.3	111		
3.20	305	9.6	15.9	30.1	41.8	66.9	66.9	11.9	20.5	39.3	54.6	88.9	88.9	13.2	22.7	40.9	60.9	104	13.9	23.4	42.8	62.3	111		
	406	7.5	13.8	28.0	39.7	64.7	64.7	9.8	18.2	36.9	52.1	86.3	86.3	11.0	20.3	38.6	58.4	101	11.7	21.1	40.5	59.9	108		
	610	3.6	9.8	24.0	35.7	60.4	60.4	5.8	13.8	32.4	47.5	81.3	81.3	6.8	15.8	34.2	53.5	95.3	7.5	16.6	36.1	55.2	103		
3.60	305	7.7	13.8	27.8	39.7	64.5	64.5	9.9	18.0	35.8	50.5	83.3	83.3	11.1	20.2	37.7	56.7	97.0	11.8	21.0	39.6	58.5	105		
	406	5.2	11.2	25.2	37.0	61.6	61.6	7.4	15.3	32.9	47.5	80.1	80.1	8.5	17.3	34.9	53.5	93.4	9.2	18.1	36.8	55.4	101		
	610	0.6 ³	6.5 ⁴	20.3	31.9	56.1	56.1	2.7 ³	10.0	27.4	41.7	73.8	73.8	3.5 ⁴	11.8	29.5	47.5	86.6	4.1 ⁴	12.7	31.3	49.6	94.1		
4.00	305	5.7	11.5	24.8	36.5	61.6	61.6	7.8	15.4	31.9	45.8	76.8	76.8	8.9	17.5	34.1	51.9	89.4	9.6	18.3	36.0	54.2	97.0		
	406	2.9 ³	8.6 ⁴	21.8	33.2	58.0	58.0	4.9 ⁴	12.2	28.6	42.3	72.9	72.9	5.8 ⁴	14.1	30.8	48.2	85.2	6.5	15.0	32.7	50.5	92.7		
	610	3.7 ³	9.2	21.6	32.5	57.0	57.0	5.7 ⁴	12.6	27.9	40.8	69.7	69.7	6.6 ⁴	14.7	30.5	46.9	81.3	7.3	15.6	32.3	49.6	88.9		
4.40	305	0.6 ³	5.9 ⁴	18.2 ⁴	28.8	52.8	52.8	2.5 ³	9.1 ⁴	24.1	36.8	65.1	65.1	3.2 ³	10.9 ⁴	26.7	42.5	76.4	3.8 ³	11.7	28.4	45.3	83.9		
	406	1.8 ³	6.9 ⁴	18.3 ⁴	28.3	50.8	50.8	3.6 ³	9.9 ⁴	23.8	35.7	62.2	62.2	4.4 ³	11.9	28.9	41.7	72.8	5.0 ³	12.8	28.4	44.7	80.6		
	610	3.3 ³	14.6 ³	8.1 ²	17.2 ³	37.7 ³	37.7 ³	0.2 ³	6.1 ³	19.8 ³	31.4	57.2	57.2	0.8 ³	7.7 ³	22.6 ⁴	36.9	67.4	1.2 ³	8.6 ³	24.1 ⁴	39.8	75.0		
4.80	305	1.8 ³	6.9 ⁴	18.3 ⁴	28.3	50.8	50.8	3.6 ³	9.9 ⁴	23.8	35.7	62.2	62.2	4.4 ³	11.9	28.9	41.7	72.8	5.0 ³	12.8	28.4	44.7	80.6		
	406	3.3 ³	14.6 ³	8.1 ²	17.2 ³	37.7 ³	37.7 ³	0.2 ³	6.1 ³	19.8 ³	31.4	57.2	57.2	0.8 ³	7.7 ³	22.6 ⁴	36.9	67.4	1.2 ³	8.6 ³	24.1 ⁴	39.8	75.0		
	610	3.3 ³	14.6 ³	8.1 ²	17.2 ³	37.7 ³	37.7 ³	0.2 ³	6.1 ³	19.8 ³	31.4	57.2	57.2	0.8 ³	7.7 ³	22.6 ⁴	36.9	67.4	1.2 ³	8.6 ³	24.1 ⁴	39.8	75.0		
5.20	305	4.7 ³	15.1 ³	15.1 ³	24.2 ⁴	44.4	44.4	1.7 ³	7.4 ³	19.9 ⁴	30.8	54.8	54.8	2.4 ³	9.1 ³	23.2 ⁴	36.6	64.4	2.8 ³	10.0 ⁴	24.5	39.7	72.4		
	406	1.0 ²	11.3 ³	11.3 ³	20.0 ³	39.5 ⁴	39.5 ⁴	3.3 ³	9.9 ⁴	15.7 ³	26.2 ³	49.5	49.5	4.7 ³	10.9 ⁴	18.6 ³	31.5 ⁴	58.6	5.5 ³	19.9 ³	34.5 ⁴	66.2			
	610	4.6 ²	12.7 ³	12.7 ³	24.7 ³	30.9 ³	30.9 ³	8.4 ²	12.6 ³	8.4 ²	13.4 ²	40.2 ³	40.2 ³	10.6 ²	14.7 ³	22.6 ³	34.6	48.4 ⁴	11.8 ³	25.2 ³	45.3	83.9			
5.60	305	2.7 ²	12.1 ³	12.1 ³	20.3 ³	38.4	38.4	5.0 ³	16.3 ³	26.1 ⁴	47.7	47.7	0.4 ²	6.5 ³	19.4 ³	31.2 ⁴	56.3	0.8 ³	7.4 ³	20.8 ³	34.6	64.5			
	406	8.3 ²	16.1 ³	16.1 ³	33.3 ³	44.4	44.4	0.9 ²	12.1 ³	21.5 ³	42.3 ⁴	42.3 ⁴	1.9 ²	14.7 ³	26.0 ³	50.4	6.6 ²	17.0 ²	2.6 ³	16.0 ³	29.2 ³	58.0			
	610	1.6 ¹	8.7 ²	8.7 ²	24.7 ³	30.9 ³	30.9 ³	4.7 ²	13.4 ²	13.4 ²	32.9 ³	32.9 ³	4.1 ³	16.0 ³	26.3 ³	48.8	11.2 ²	21.1 ³	0.1 ²	12.4 ³	24.0 ³	49.8 ⁴			
6.00	305	0.9 ²	9.4 ²	9.4 ²	16.7 ³	32.7 ³	32.7 ³	2.9 ²	13.1 ³	21.8 ³	41.1 ⁴	41.1 ⁴	4.1 ³	16.0 ³	26.3 ³	48.8	11.2 ²	21.1 ³	0.1 ²	12.4 ³	24.0 ³	49.8 ⁴			
	406	5.6 ²	12.5 ²	12.5 ²	27.7 ³	34.7 ³	34.7 ³	8.9 ²	17.2 ³	17.2 ³	35.7 ³	35.7 ³	11.2 ²	21.1 ³	35.7 ³	42.9 ³	3.1 ¹	12.2 ²	4.0 ²	14.4 ²	38.5 ³				
	610	5.3 ¹	19.2 ²	19.2 ²	31.9 ²	40.2 ²	40.2 ²	1.6 ¹	9.3 ²	9.3 ²	26.4 ²	26.4 ²	3.1 ¹	12.2 ²	32.6 ³	32.6 ³	3.1 ¹	12.2 ²	4.0 ²	14.4 ²	38.5 ³				

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)
2.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	600S162						600S200						600S250						600S300						
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		345 MPa				
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
2.40	305	11.5	17.7	32.1	43.9	69.1	14.0	23.2	43.4	59.4	95.6	15.4	25.4	44.7	66.2	112	16.2	26.1	46.6	67.3	120	16.2	26.1	46.6	67.3	120
	406	9.9	16.2	30.6	42.4	67.6	12.4	21.5	41.6	57.7	93.8	13.8	23.6	43.0	64.4	110	14.6	24.3	44.9	65.5	118	14.6	24.3	44.9	65.5	118
	610	6.8	13.1	27.7	39.5	64.6	9.3	18.0	38.1	54.2	90.2	10.5	20.1	39.6	60.7	106	11.2	20.9	41.6	62.0	114	11.2	20.9	41.6	62.0	114
2.80	305	9.6	15.9	30.2	42.0	67.1	12.1	20.9	40.4	56.1	91.5	13.4	23.0	41.9	62.7	107	14.1	23.8	43.8	63.9	115	14.1	23.8	43.8	63.9	115
	406	7.5	13.8	28.2	39.9	65.0	9.9	18.6	38.0	53.7	89.0	11.1	20.6	39.6	60.2	104	11.9	21.4	41.5	61.5	112	11.9	21.4	41.5	61.5	112
	610	3.5	9.7	24.2	35.9	60.8	5.8	14.0	33.4	49.0	83.9	6.8	15.9	35.1	55.2	98.8	7.5	16.8	37.0	56.7	107	7.5	16.8	37.0	56.7	107
3.20	305	7.5	13.8	28.0	39.7	64.7	9.8	18.2	36.9	52.1	86.3	11.0	20.3	38.6	58.4	101	11.7	21.1	40.5	59.9	108	11.7	21.1	40.5	59.9	108
	406	4.9	11.1	25.3	37.0	61.8	7.1	15.3	33.9	49.0	82.9	8.2	17.2	35.7	55.1	97.1	8.9	18.1	37.5	56.7	105	8.9	18.1	37.5	56.7	105
	610		5.9 ⁴	20.2	31.8	56.3	2.0 ⁴	9.6	28.0	42.9	76.4	2.9 ⁴	11.4	29.9	48.8	90.1	3.5	12.3	31.8	50.6	97.5	3.5	12.3	31.8	50.6	97.5
3.60	305	5.2	11.2	25.2	37.0	61.6	7.4	15.3	32.9	47.5	80.1	8.5	17.3	34.9	53.5	93.4	9.2	18.1	36.8	55.4	101	9.2	18.1	36.8	55.4	101
	406	2.1 ³	8.0	21.9	33.6	57.9	4.2 ⁴	11.7	29.2	43.6	75.8	5.1	13.6	31.2	49.5	88.9	5.7	14.5	33.1	51.5	96.3	5.7	14.5	33.1	51.5	96.3
	610		2.0 ³	15.8 ⁴	27.1	50.9		5.1 ³	22.3 ⁴	36.3	67.8		6.7 ⁴	24.3	41.8	80.2		7.6 ⁴	26.2	43.9	87.5		7.6 ⁴	26.2	43.9	87.5
4.00	305	2.9 ³	8.6 ⁴	21.8	33.2	58.0	4.9 ⁴	12.2	28.6	42.3	72.9	5.8 ⁴	14.1	30.8	48.2	85.2	6.5	15.0	32.7	50.5	92.7	6.5	15.0	32.7	50.5	92.7
	406		4.9 ³	18.0 ⁴	29.2	53.4	1.3 ³	8.1 ⁴	24.3	37.8	67.9	2.0 ³	9.8 ⁴	26.5	43.4	79.7	2.6 ³	10.7	28.4	45.8	87.1	2.6 ³	10.7	28.4	45.8	87.1
	610			11.0 ³	21.7 ³	44.9		0.7 ³	16.5 ³	29.5 ⁴	58.6		2.0 ³	18.7 ³	34.5	69.6		2.9 ³	20.4 ⁴	37.0	76.8		2.9 ³	20.4 ⁴	37.0	76.8
4.40	305	0.6 ³	5.9 ³	18.2 ⁴	28.8	52.8	2.5 ³	9.1 ⁴	24.1	36.8	65.1	3.2 ³	10.9 ⁴	26.7	42.5	76.4	3.8 ³	11.7	28.4	45.3	83.9	3.8 ³	11.7	28.4	45.3	83.9
	406		1.9 ³	14.0 ³	24.3 ⁴	47.5	4.6 ³	11.1 ³	19.4 ³	31.8 ⁴	59.5		6.1 ³	21.9 ⁴	37.2	70.2		7.0 ³	23.6 ⁴	39.9	77.6		7.0 ³	23.6 ⁴	39.9	77.6
	610			6.5 ²	16.1 ³	37.9 ³			11.1 ³	22.9 ³	49.2 ⁴			13.2 ³	27.4 ³	59.0			14.8 ³	30.0 ³	65.9			14.8 ³	30.0 ³	65.9
4.80	305		3.3 ³	14.6 ³	24.3 ⁴	46.1	0.2 ³	6.1 ³	19.8 ³	31.4	57.2	0.8 ³	7.7 ³	22.6 ⁴	36.9	67.4	1.2 ³	8.6 ³	24.1 ⁴	39.8	75.0	1.2 ³	8.6 ³	24.1 ⁴	39.8	75.0
	406			10.2 ³	19.5 ³	40.4 ⁴		1.4 ³	14.9 ³	26.1 ³	51.1		2.6 ³	17.4 ³	31.1 ⁴	60.7		3.4 ³	18.9 ³	33.9 ⁴	68.0		3.4 ³	18.9 ³	33.9 ⁴	68.0
	610			2.4 ²	11.0 ²	30.3 ³			6.2 ²	16.7 ³	40.3 ³			8.2 ²	20.8 ³	48.8 ³			9.4 ²	23.3 ³	55.4 ⁴			9.4 ²	23.3 ³	55.4 ⁴
5.20	305		1.0 ²	11.3 ³	20.0 ³	39.5 ⁴		3.3 ³	15.7 ³	26.2 ³	49.5		4.7 ³	18.6 ³	31.5 ⁴	58.6		5.5 ³	19.9 ³	34.5 ⁴	66.2		5.5 ³	19.9 ³	34.5 ⁴	66.2
	406			6.7 ²	15.0 ³	33.6 ³			10.7 ²	20.8 ³	43.2 ³			13.2 ³	25.4 ³	51.7 ⁴			14.4 ³	28.1 ³	58.8			14.4 ³	28.1 ³	58.8
	610				6.4 ²	23.3 ²			2.0 ¹	11.2 ²	32.1 ³			3.6 ²	14.7 ²	39.4 ³			4.6 ²	17.0 ²	45.7 ³			4.6 ²	17.0 ²	45.7 ³
5.60	305			8.3 ²	16.1 ³	33.3 ³		0.9 ²	12.1 ³	21.5 ³	42.3 ⁴		1.9 ²	14.7 ³	26.0 ³	50.4		2.6 ³	16.0 ³	29.2 ³	58.0		2.6 ³	16.0 ³	29.2 ³	58.0
	406			3.7 ²	11.0 ²	27.4 ³			7.1 ²	16.0 ²	35.9 ³			9.1 ²	19.9 ³	43.3 ³			10.3 ²	22.6 ³	50.3 ⁴			10.3 ²	22.6 ³	50.3 ⁴
	610				2.4 ¹	17.1 ²				6.5 ¹	24.8 ²				9.2 ²	31.0 ³			0.4 ¹	11.2 ²	36.8 ³			0.4 ¹	11.2 ²	36.8 ³
6.00	305			5.6 ²	12.5 ²	27.7 ³			8.9 ²	17.2 ³	35.7 ³			11.2 ²	21.1 ³	42.9 ³			12.4 ³	24.0 ³	49.8 ⁴			12.4 ³	24.0 ³	49.8 ⁴
	406			1.1 ¹	7.6 ²	21.9 ²			3.9 ¹	11.8 ²	29.3 ³			5.6 ²	15.0 ²	35.8 ³			6.7 ²	17.4 ²	42.1 ³			6.7 ²	17.4 ²	42.1 ³
	610					11.8 ¹				2.4 ¹	18.4 ²				4.5 ¹	23.7 ²			6.1 ¹	28.7 ²	61.1			6.1 ¹	28.7 ²	61.1

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)
2.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	600S162						600S200						600S250						600S300											
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa			
		33	43	54	68	97	97	33	43	54	68	97	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97			
2.40	305	10.3	16.6	31.0	42.8	67.9	12.8	21.9	42.1	58.1	94.2	94.2	14.2	24.0	43.4	64.8	111	15.0	24.7	45.4	66.0	119	15.0	24.7	45.4	66.0	119	15.0	24.7	45.4	
	406	8.3	14.6	29.1	40.9	66.1	10.8	19.7	39.9	55.9	92.0	92.0	12.1	21.8	41.3	62.5	108	12.9	22.6	43.2	63.7	116	12.9	22.6	43.2	63.7	116	12.9	22.6	43.2	
	610	4.5	10.9	25.5	37.3	62.4	6.9	15.5	35.6	51.6	87.5	87.5	8.0	17.5	37.2	58.0	103	8.8	18.3	39.1	59.4	111	8.8	18.3	39.1	59.4	111	8.8	18.3	39.1	
2.80	305	8.0	14.3	28.7	40.5	65.5	10.4	19.1	38.6	54.3	89.6	89.6	11.7	21.2	40.2	60.8	105	12.4	22.0	42.1	62.1	113	12.4	22.0	42.1	62.1	113	12.4	22.0	42.1	
	406	5.5	11.7	26.2	37.9	62.9	7.8	16.3	35.7	51.3	86.4	86.4	8.9	18.3	37.3	57.6	102	9.7	19.1	39.2	59.1	109	9.7	19.1	39.2	59.1	109	9.7	19.1	39.2	
	610	0.5 ⁴	6.7	21.3	33.0	57.8	2.8	10.7	30.0	45.5	80.3	80.3	3.7	12.5	31.8	51.5	94.8	4.3	13.4	33.7	53.2	102	4.3	13.4	33.7	53.2	102	4.3	13.4	33.7	
3.20	305	5.5	11.7	26.0	37.7	62.5	7.8	16.0	34.6	49.8	83.8	83.8	8.9	18.0	36.4	55.9	98.0	9.6	18.8	38.3	57.5	106	9.6	18.8	38.3	57.5	106	9.6	18.8	38.3	
	406	2.3 ⁴	8.5	22.7	34.3	59.0	4.5	12.4	30.9	45.9	79.6	79.6	5.5	14.3	32.7	51.9	93.6	6.1	15.1	34.6	53.6	101	6.1	15.1	34.6	53.6	101	6.1	15.1	34.6	
	610		2.3 ³	16.6 ⁴	28.0	52.3		5.6 ⁴	23.8	38.6	71.7	71.7		7.2	25.8	44.2	84.9		8.1	27.6	46.1	92.3		8.1	27.6	46.1	92.3		8.1	27.6	46.1
3.60	305	2.9 ⁴	8.8	22.7	34.4	58.9	5.0 ⁴	12.6	30.1	44.5	76.9	76.9	5.9	14.5	32.1	50.5	90.0	6.6	15.4	34.0	52.5	97.4	6.6	15.4	34.0	52.5	97.4	6.6	15.4	34.0	
	406		4.9 ³	18.8	30.2	54.4	1.2 ³	8.3 ⁴	25.6	39.9	71.8	71.8	1.9 ³	10.1	27.7	45.6	84.4	2.5 ⁴	11.0	29.6	47.7	91.8	2.5 ⁴	11.0	29.6	47.7	91.8	2.5 ⁴	11.0	29.6	47.7
	610			11.4 ³	22.5 ⁴	45.9		0.5 ³	17.4 ³	31.2 ⁴	62.2	62.2		1.8 ³	19.5 ⁴	36.3	74.0		2.7 ³	21.2 ⁴	38.6	81.2		2.7 ³	21.2 ⁴	38.6	81.2		2.7 ³	21.2 ⁴	
4.00	305	0.2 ³	5.8 ³	18.9 ⁴	30.1	54.5	2.2 ³	9.1 ⁴	25.3	38.9	69.1	69.1	3.0 ³	10.9	27.6	44.5	81.1	3.5 ⁴	11.8	29.4	47.0	88.5	3.5 ⁴	11.8	29.4	47.0	88.5	3.5 ⁴	11.8	29.4	
	406		1.4 ³	14.4 ³	25.3 ⁴	49.1		4.3 ³	20.3 ⁴	33.5	63.1	63.1		5.8 ³	22.5 ⁴	38.9	74.6		6.7 ⁴	24.3	41.3	81.9		6.7 ⁴	24.3	41.3	81.9		6.7 ⁴	24.3	
	610			6.2 ²	16.5 ³	39.1 ³			11.2 ³	23.8 ³	52.1 ⁴	52.1 ⁴			13.2 ³	28.4 ³	62.6			14.8 ³	30.8 ⁴	69.5			14.8 ³	30.8 ⁴	69.5				
4.40	305		2.8 ³	15.0 ³	25.4 ⁴	48.7		5.7 ³	20.6 ⁴	33.0	60.9	60.9	0.1 ³	7.3 ³	23.1 ⁴	38.5	71.7	0.5 ³	8.1 ⁴	24.7	41.2	79.1	0.5 ³	8.1 ⁴	24.7	41.2	79.1	0.5 ³	8.1 ⁴	24.7	
	406			10.1 ³	20.1 ³	42.5 ⁴		0.5 ³	15.1 ³	27.2 ³	54.2	54.2		1.7 ³	17.4 ³	32.1 ⁴	64.4		2.5 ³	19.0 ³	34.8 ⁴	71.6		2.5 ³	19.0 ³	34.8 ⁴	71.6		2.5 ³	19.0 ³	
	610			1.4 ²	10.6 ²	31.4 ³			5.5 ²	16.8 ³	42.3 ³	42.3 ³			7.3 ²	20.8 ³	51.3 ⁴			8.7 ³	23.2 ³	57.9 ⁴			8.7 ³	23.2 ³	57.9 ⁴				
4.80	305		0.1 ²	11.3 ³	20.7 ³	41.7 ⁴		2.5 ³	16.0 ³	27.4 ³	52.6	52.6		3.8 ³	18.7 ³	32.5 ⁴	62.3		4.6 ³	20.1 ³	35.3	69.7		4.6 ³	20.1 ³	35.3	69.7		4.6 ³	20.1 ³	
	406			6.1 ²	15.1 ³	35.1 ³			10.4 ²	21.2 ³	45.5 ⁴	45.5 ⁴			12.6 ³	25.7 ³	54.6 ⁴			14.0 ³	28.4 ³	61.5			14.0 ³	28.4 ³	61.5				
	610				5.3 ²	23.5 ²			0.4 ¹	10.4 ²	33.0 ³	33.0 ³			2.0 ²	13.8 ²	40.8 ³			3.1 ²	16.1 ³	47.0 ³			3.1 ²	16.1 ³	47.0 ³				
5.20	305			7.8 ²	16.2 ³	35.0 ³			11.9 ³	22.1 ³	44.7 ⁴	44.7 ⁴		0.7 ²	14.5 ³	26.9 ³	53.3		1.4 ³	15.7 ³	29.7 ³	60.6		1.4 ³	15.7 ³	29.7 ³	60.6		1.4 ³	15.7 ³	
	406			2.6 ²	10.5 ²	28.2 ³			6.2 ²	15.8 ²	37.4 ³	37.4 ³			8.2 ²	19.8 ³	45.3 ³			9.3 ²	22.4 ³	52.0 ⁴			9.3 ²	22.4 ³	52.0 ⁴				
	610				0.6 ¹	16.5 ²				4.9 ¹	24.7 ²	24.7 ²			7.6 ²	31.3 ³	36.9 ³			9.6 ²	36.9 ³	36.9 ³			9.6 ²	36.9 ³	36.9 ³				
5.60	305			4.8 ²	12.2 ³	28.8 ³			8.3 ²	17.3 ³	37.4 ³	37.4 ³			10.5 ²	21.3 ³	45.0 ³			11.7 ²	24.2 ³	52.1 ⁴			11.7 ²	24.2 ³	52.1 ⁴				
	406				6.5 ¹	22.0 ²			2.5 ¹	11.0 ²	30.1 ³	30.1 ³			4.1 ²	14.3 ³	36.9 ³			5.1 ²	16.7 ²	43.3 ³			5.1 ²	16.7 ²	43.3 ³				
	610					10.4 ¹				0.2 ¹	17.5 ²	17.5 ²			2.1 ¹	23.0 ²	23.0 ²			3.7 ¹	37.0 ²	43.3 ³			3.7 ¹	37.0 ²	43.3 ³				
6.00	305			2.2 ¹	8.7 ²	23.3 ²			5.1 ²	13.1 ²	30.9 ³	30.9 ³			7.0 ²	16.4 ²	37.5 ³			8.0 ²	19.0 ³	43.9 ³			8.0 ²	19.0 ³	43.9 ³				
	406				3.1 ¹	16.6 ²				6.9 ¹	23.6 ²	23.6 ²			0.6 ¹	9.5 ²	29.5 ²			1.5 ¹	11.5 ²	35.1 ³			1.5 ¹	11.5 ²	35.1 ³				
	610					5.3 ¹					11.3 ¹	11.3 ¹					15.8 ¹					20.0 ²					20.0 ²				

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

3.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	600S162						600S200						600S250						600S300									
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa	
		33	43	54	68	97	97	33	43	54	68	97	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	
2.40	305	9.1	15.4	29.9	41.7	66.8	11.6	20.6	40.8	56.8	92.9	92.9	12.9	22.7	42.2	63.5	109	13.7	23.4	44.1	64.6	117	13.7	23.4	44.1	64.6	117		
	406	6.8	13.1	27.7	39.5	64.6	9.3	18.0	38.1	54.2	90.2	90.2	10.5	20.1	39.6	60.7	106	11.2	20.9	41.6	62.0	114	11.2	20.9	41.6	62.0	114		
	610	2.3	8.6	23.4	35.2	60.2	4.6	13.0	33.0	49.0	84.8	84.8	5.7	14.9	34.7	55.3	100	6.3	15.8	36.6	56.8	108	6.3	15.8	36.6	56.8	108		
2.80	305	6.5	12.8	27.2	38.9	63.9	8.9	17.4	36.9	52.5	87.7	87.7	10.0	19.4	38.5	58.9	103	10.8	20.2	40.4	60.3	111	10.8	20.2	40.4	60.3	111		
	406	3.5	9.7	24.2	35.9	60.8	5.8	14.0	33.4	49.0	83.9	83.9	6.8	15.9	35.1	55.2	98.8	7.5	16.8	37.0	56.7	107	7.5	16.8	37.0	56.7	107		
	610		3.9 ⁴	18.5	30.1	54.7		7.5	26.7	42.1	76.6	76.6	0.6 ⁴	9.2	28.5	48.0	90.9	1.2	10.1	30.4	49.7	98.4	1.2	10.1	30.4	49.7	98.4		
3.20	305	3.6	9.8	24.0	35.7	60.4	5.8	13.8	32.4	47.5	81.3	81.3	6.8	15.8	34.2	53.5	95.3	7.5	16.6	36.1	55.2	103	7.5	16.6	36.1	55.2	103		
	406		5.9 ⁴	20.2	31.8	56.3	2.0 ⁴	9.6	28.0	42.9	76.4	76.4	2.9 ⁴	11.4	29.9	48.8	90.1	3.5	12.3	31.8	50.6	97.5	3.5	12.3	31.8	50.6	97.5		
	610			13.0 ³	24.3 ⁴	48.4		1.8 ³	19.8 ⁴	34.4	67.1	67.1		3.2 ⁴	21.8	39.8	79.9		4.1 ⁴	23.6	41.8	87.3		4.1 ⁴	23.6	41.8	87.3		
3.60	305	0.6 ³	6.4 ⁴	20.3	31.9	56.1	2.7 ³	10.0	27.4	41.7	73.8	73.8	3.5 ⁴	11.8	29.5	47.5	86.6	4.1 ⁴	12.7	31.3	49.6	94.1	4.1 ⁴	12.7	31.3	49.6	94.1		
	406		2.0 ³	15.8 ⁴	27.1	50.9		5.1 ³	22.3 ⁴	36.3	67.8	67.8		6.7 ⁴	24.3	41.8	80.2		7.6 ⁴	26.2	43.9	87.5		7.6 ⁴	26.2	43.9	87.5		
	610			7.3 ³	18.2 ³	41.2 ⁴			12.8 ³	26.3 ³	56.7	56.7			14.8 ³	31.1 ⁴	68.0			16.5 ³	33.4 ⁴	75.1			16.5 ³	33.4 ⁴	75.1		
4.00	305		3.1 ³	16.2 ³	27.2	51.2		6.2 ³	22.3 ⁴	35.6	65.5	65.5	0.2 ³	7.8 ⁴	24.5	41.1	77.1	0.7 ³	8.7 ⁴	26.3	43.5	84.5	0.7 ³	8.7 ⁴	26.3	43.5	84.5		
	406			11.0 ³	21.7 ³	44.9		0.7 ³	16.5 ³	29.5 ⁴	58.6	58.6		2.0 ³	18.7 ³	34.5	69.6		2.9 ³	20.4 ⁴	37.0	76.8		2.9 ³	20.4 ⁴	37.0	76.8		
	610			1.7 ²	11.7 ³	33.5 ³			6.2 ²	18.4 ³	46.1 ³	46.1 ³			8.1 ³	22.6 ³	55.9 ⁴			9.6 ³	25.0 ³	62.6			9.6 ³	25.0 ³	62.6		
4.40	305			12.0 ³	22.1 ³	44.9		2.5 ³	17.2 ³	29.5 ⁴	56.8	56.8		3.9 ³	19.6 ³	34.6	67.3		4.7 ³	21.3 ⁴	37.3	74.5		4.7 ³	21.3 ⁴	37.3	74.5		
	406			6.5 ²	16.1 ³	37.9 ³			11.1 ³	22.9 ³	49.2 ⁴	49.2 ⁴			13.2 ³	27.4 ³	59.0			14.8 ³	30.0 ³	65.9			14.8 ³	30.0 ³	65.9		
	610				5.5 ²	25.4 ³			0.2 ²	11.1 ²	35.8 ³	35.8 ³			1.9 ²	14.6 ³	44.2 ³			3.1 ²	16.9 ³	50.4 ³			3.1 ²	16.9 ³	50.4 ³		
4.80	305			8.1 ²	17.2 ³	37.7 ³			12.6 ³	23.6 ³	48.3 ⁴	48.3 ⁴		0.2 ³	15.0 ³	28.4 ³	57.6		1.0 ³	16.4 ³	31.1 ⁴	64.7		1.0 ³	16.4 ³	31.1 ⁴	64.7		
	406			2.4 ²	11.0 ²	30.3 ³			6.2 ²	16.7 ³	40.3 ³	40.3 ³			8.2 ²	20.8 ³	48.8 ³			9.4 ²	23.3 ³	55.4 ⁴			9.4 ²	23.3 ³	55.4 ⁴		
	610					17.3 ²				4.6 ²	26.3 ²	26.3 ²				7.4 ²	33.4 ³				9.4 ²	39.1 ³				9.4 ²	39.1 ³		
5.20	305			4.6 ²	12.7 ²	30.9 ³			8.4 ²	18.2 ³	40.2 ³	40.2 ³			10.6 ²	22.6 ³	48.4 ⁴			11.8 ³	25.2 ³	55.3 ⁴			11.8 ³	25.2 ³	55.3 ⁴		
	406				6.4 ²	23.3 ²			2.0 ¹	11.2 ²	32.1 ³	32.1 ³			3.6 ²	14.7 ²	39.4 ³			4.6 ²	17.0 ²	45.7 ³			4.6 ²	17.0 ²	45.7 ³		
	610					10.3 ¹					18.0 ²	18.0 ²				1.1 ¹	23.9 ²				2.7 ¹	28.9 ²				2.7 ¹	28.9 ²		
5.60	305			1.6 ¹	8.7 ²	24.7 ³			4.7 ²	13.4 ²	32.9 ³	32.9 ³			6.6 ²	17.0 ²	40.0 ³			7.7 ²	19.6 ³	46.7 ³			7.7 ²	19.6 ³	46.7 ³		
	406				2.4 ¹	17.1 ²				6.5 ¹	24.8 ²	24.8 ²				9.2 ²	31.0 ³			0.4 ¹	11.2 ²	36.8 ³			0.4 ¹	11.2 ²	36.8 ³		
	610					4.3 ¹				10.8 ¹	10.8 ¹	10.8 ¹					15.6 ²					19.9 ²					19.9 ²		
6.00	305				5.3 ¹	19.2 ²				1.6 ¹	9.3 ²	26.4 ²				12.2 ²	32.6 ³				4.0 ²	14.4 ²	38.5 ³			4.0 ²	14.4 ²	38.5 ³	
	406					11.8 ¹				2.4 ¹	18.4 ²	18.4 ²				4.5 ¹	23.7 ²				6.1 ¹	28.7 ²			6.1 ¹	28.7 ²	38.5 ³		
	610										4.8 ¹	4.8 ¹					8.6 ¹					12.0 ¹				12.0 ¹			

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

3.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	600S162									600S200									600S250									600S300												
		230 MPa			345 MPa			345 MPa			230 MPa			345 MPa			230 MPa			345 MPa			230 MPa			345 MPa			230 MPa			345 MPa									
		33	43	54	68	88	97	33	43	54	68	88	97	33	43	54	68	88	97	33	43	54	68	88	97	33	43	54	68	88	97	33	43	54	68	88	97				
2.40	305	7.9	14.3	28.8	40.6	65.7	10.4	19.3	39.4	55.5	91.5	11.7	21.4	40.9	62.1	108	12.5	22.1	42.8	63.3	116	7.9	14.3	28.8	40.6	65.7	10.4	19.3	39.4	55.5	91.5	11.7	21.4	40.9	62.1	108	12.5	22.1	42.8	63.3	116
	406	5.3	11.6	26.2	38.0	63.1	7.7	16.4	36.4	52.4	88.4	8.9	18.3	38.0	58.9	104	9.6	19.1	39.9	60.2	112	5.3	11.6	26.2	38.0	63.1	7.7	16.4	36.4	52.4	88.4	8.9	18.3	38.0	58.9	104	9.6	19.1	39.9	60.2	112
	610	0.1	6.5	21.2	33.0	58.0	2.4	10.6	30.5	46.5	82.1	3.3	12.4	32.3	52.7	97.4	3.9	13.3	34.2	54.2	105	0.1	6.5	21.2	33.0	58.0	2.4	10.6	30.5	46.5	82.1	3.3	12.4	32.3	52.7	97.4	3.9	13.3	34.2	54.2	105
2.80	305	5.0	11.2	25.7	37.4	62.4	7.3	15.7	35.1	50.7	85.8	8.4	17.7	36.8	57.0	101	9.1	18.5	38.7	58.5	109	5.0	11.2	25.7	37.4	62.4	7.3	15.7	35.1	50.7	85.8	8.4	17.7	36.8	57.0	101	9.1	18.5	38.7	58.5	109
	406	1.5 ⁴	7.7	22.3	34.0	58.8	3.7	11.8	31.1	46.7	81.5	4.7	13.7	32.9	52.8	96.1	5.3	14.5	34.8	54.3	104	1.5 ⁴	7.7	22.3	34.0	58.8	3.7	11.8	31.1	46.7	81.5	4.7	13.7	32.9	52.8	96.1	5.3	14.5	34.8	54.3	104
	610	1.1 ³	15.7	27.3	51.8	11.7	11.7	30.1	45.2	78.8	4.8	13.6	32.0	51.1	92.7	5.5	14.4	33.9	52.8	100	1.1 ³	15.7	27.3	51.8	11.7	11.7	30.1	45.2	78.8	4.8	13.6	32.0	51.1	92.7	5.5	14.4	33.9	52.8	100		
3.20	305	1.7 ⁴	7.8	22.1	33.7	58.3	3.9 ⁴	11.7	30.1	45.2	78.8	4.8	13.6	32.0	51.1	92.7	5.5	14.4	33.9	52.8	100	1.7 ⁴	7.8	22.1	33.7	58.3	3.9 ⁴	11.7	30.1	45.2	78.8	4.8	13.6	32.0	51.1	92.7	5.5	14.4	33.9	52.8	100
	406	3.5 ⁴	17.8	29.2	53.6	44.6	6.9 ⁴	25.2	40.0	73.3	62.7	0.3 ³	8.6	27.1	45.7	86.6	0.8 ⁴	9.5	29.0	47.6	94.0	3.5 ⁴	17.8	29.2	53.6	44.6	6.9 ⁴	25.2	40.0	73.3	62.7	0.3 ³	8.6	27.1	45.7	86.6	0.8 ⁴	9.5	29.0	47.6	94.0
	610	9.6 ³	20.8 ⁴	44.6	4.2 ³	18.0 ⁴	29.4	47.6	2.0 ³	19.0 ⁴	32.9	64.0	3.4 ³	21.1 ⁴	38.1	76.0	12.0 ³	19.7 ⁴	28.4 ⁴	69.2	9.6 ³	20.8 ⁴	44.6	4.2 ³	18.0 ⁴	29.4	47.6	2.0 ³	19.0 ⁴	32.9	64.0	3.4 ³	21.1 ⁴	38.1	76.0	12.0 ³	19.7 ⁴	28.4 ⁴	69.2		
3.60	305	3.4 ²	14.0 ³	36.6 ³	7.5 ⁴	19.3 ³	32.5	62.0	12.9 ³	25.7 ³	54.3	1.4 ²	13.3 ³	40.3 ³	16.4 ³	30.9 ⁴	63.0	1.5 ³	17.9 ³	33.6 ⁴	70.2	3.4 ²	14.0 ³	36.6 ³	7.5 ⁴	19.3 ³	32.5	62.0	12.9 ³	25.7 ³	54.3	1.4 ²	13.3 ³	40.3 ³	16.4 ³	30.9 ⁴	63.0	1.5 ³	17.9 ³	33.6 ⁴	70.2
	406	0.6 ³	13.5 ³	24.4 ⁴	48.0	4.0 ³	11.8	31.1	46.7	81.5	4.7	13.7	32.9	52.8	96.1	5.3	14.5	34.8	54.3	104	0.6 ³	13.5 ³	24.4 ⁴	48.0	4.0 ³	11.8	31.1	46.7	81.5	4.7	13.7	32.9	52.8	96.1	5.3	14.5	34.8	54.3	104		
	610	7.8 ³	7.1 ²	28.3 ³	7.5 ⁴	19.3 ³	32.5	62.0	12.9 ³	25.7 ³	54.3	1.4 ²	13.3 ³	40.3 ³	16.4 ³	30.9 ⁴	63.0	1.5 ³	17.9 ³	33.6 ⁴	70.2	7.8 ³	7.1 ²	28.3 ³	7.5 ⁴	19.3 ³	32.5	62.0	12.9 ³	25.7 ³	54.3	1.4 ²	13.3 ³	40.3 ³	16.4 ³	30.9 ⁴	63.0	1.5 ³	17.9 ³	33.6 ⁴	70.2
4.00	305	3.1 ²	12.4 ²	33.5 ³	19.1 ³	41.3 ⁴	14.1 ³	26.1 ³	52.9	44.5 ³	29.6 ³	8.8 ²	37.5 ³	11.5 ³	24.5 ³	53.1 ⁴	12.8 ³	27.1 ³	50.4 ³	80.6	3.1 ²	12.4 ²	33.5 ³	19.1 ³	41.3 ⁴	14.1 ³	26.1 ³	52.9	44.5 ³	29.6 ³	8.8 ²	37.5 ³	11.5 ³	24.5 ³	53.1 ⁴	12.8 ³	27.1 ³	50.4 ³	80.6		
	406	9.2 ³	19.1 ³	41.3 ⁴	14.1 ³	26.1 ³	52.9	44.5 ³	29.6 ³	8.8 ²	37.5 ³	11.5 ³	24.5 ³	53.1 ⁴	12.8 ³	27.1 ³	50.4 ³	80.6	9.2 ³	19.1 ³	41.3 ⁴	14.1 ³	26.1 ³	52.9	44.5 ³	29.6 ³	8.8 ²	37.5 ³	11.5 ³	24.5 ³	53.1 ⁴	12.8 ³	27.1 ³	50.4 ³	80.6						
	610	5.2 ²	14.0 ³	33.9 ³	7.1 ²	25.7 ³	11.5 ³	27.0 ³	51.2	14.6 ²	36.0 ³	27.1 ²	9.9 ²	33.9 ³	16.9 ²	15.3 ²	41.6 ³	6.2 ²	30.9 ²	59.7 ³	31.7 ³	5.2 ²	14.0 ³	33.9 ³	7.1 ²	25.7 ³	11.5 ³	27.0 ³	51.2	14.6 ²	36.0 ³	27.1 ²	9.9 ²	33.9 ³	16.9 ²	15.3 ²	41.6 ³	6.2 ²	30.9 ²	59.7 ³	31.7 ³
4.40	305	1.7 ¹	9.5 ²	27.0 ³	2.5 ¹	18.7 ²	4.5 ¹	11.7 ¹	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6	1.7 ¹	9.5 ²	27.0 ³	2.5 ¹	18.7 ²	4.5 ¹	11.7 ¹	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6						
	406	7.1 ²	25.7 ³	11.5 ³	27.0 ³	51.2	14.6 ²	36.0 ³	27.1 ²	9.9 ²	33.9 ³	16.9 ²	15.3 ²	41.6 ³	6.2 ²	30.9 ²	59.7 ³	31.7 ³	7.1 ²	25.7 ³	11.5 ³	27.0 ³	51.2	14.6 ²	36.0 ³	27.1 ²	9.9 ²	33.9 ³	16.9 ²	15.3 ²	41.6 ³	6.2 ²	30.9 ²	59.7 ³	31.7 ³						
	610	5.1 ¹	20.8 ²	12.6 ¹	15.4 ²	7.4 ¹	2.1 ¹	15.4 ²	7.4 ¹	1.5 ¹	9.8 ²	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6	5.1 ¹	20.8 ²	12.6 ¹	15.4 ²	7.4 ¹	2.1 ¹	15.4 ²	7.4 ¹	1.5 ¹	9.8 ²	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6
5.20	305	5.1 ¹	20.8 ²	12.6 ¹	15.4 ²	7.4 ¹	2.1 ¹	15.4 ²	7.4 ¹	1.5 ¹	9.8 ²	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6	5.1 ¹	20.8 ²	12.6 ¹	15.4 ²	7.4 ¹	2.1 ¹	15.4 ²	7.4 ¹	1.5 ¹	9.8 ²	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6
	406	7.1 ²	25.7 ³	11.5 ³	27.0 ³	51.2	14.6 ²	36.0 ³	27.1 ²	9.9 ²	33.9 ³	16.9 ²	15.3 ²	41.6 ³	6.2 ²	30.9 ²	59.7 ³	31.7 ³	7.1 ²	25.7 ³	11.5 ³	27.0 ³	51.2	14.6 ²	36.0 ³	27.1 ²	9.9 ²	33.9 ³	16.9 ²	15.3 ²	41.6 ³	6.2 ²	30.9 ²	59.7 ³	31.7 ³						
	610	5.1 ¹	20.8 ²	12.6 ¹	15.4 ²	7.4 ¹	2.1 ¹	15.4 ²	7.4 ¹	1.5 ¹	9.8 ²	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6	5.1 ¹	20.8 ²	12.6 ¹	15.4 ²	7.4 ¹	2.1 ¹	15.4 ²	7.4 ¹	1.5 ¹	9.8 ²	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6
5.60	305	5.1 ¹	20.8 ²	12.6 ¹	15.4 ²	7.4 ¹	2.1 ¹	15.4 ²	7.4 ¹	1.5 ¹	9.8 ²	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6	5.1 ¹	20.8 ²	12.6 ¹	15.4 ²	7.4 ¹	2.1 ¹	15.4 ²	7.4 ¹	1.5 ¹	9.8 ²	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6
	406	7.1 ²	25.7 ³	11.5 ³	27.0 ³	51.2	14.6 ²	36.0 ³	27.1 ²	9.9 ²	33.9 ³	16.9 ²	15.3 ²	41.6 ³	6.2 ²	30.9 ²	59.7 ³	31.7 ³	7.1 ²	25.7 ³	11.5 ³	27.0 ³	51.2	14.6 ²	36.0 ³	27.1 ²	9.9 ²	33.9 ³	16.9 ²	15.3 ²	41.6 ³	6.2 ²	30.9 ²	59.7 ³	31.7 ³						
	610	5.1 ¹	20.8 ²	12.6 ¹	15.4 ²	7.4 ¹	2.1 ¹	15.4 ²	7.4 ¹	1.5 ¹	9.8 ²	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ¹	12.8 ³	27.1 ³	50.4 ³	80.6	5.1 ¹	20.8 ²	12.6 ¹	15.4 ²	7.4 ¹	2.1 ¹	15.4 ²	7.4 ¹	1.5 ¹	9.8 ²	28.7 ³	19.8 ²	4.7 ¹	8.2 ²	18.4 ²	1.9 ^{1</}				

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

0 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	800S162						800S200						800S250						800S300					
		230 MPa		345 MPa		435 MPa		230 MPa		345 MPa		435 MPa		230 MPa		345 MPa		435 MPa		230 MPa		345 MPa		435 MPa	
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97
2.40	305	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	32.1	53.0	76.3	127	32.8	55.2	78.0	139	32.1	53.0	76.3	127	32.8	55.2	78.0	139
	406	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	32.1	53.0	76.3	127	32.8	55.2	78.0	139	32.1	53.0	76.3	127	32.8	55.2	78.0	139
	610	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	32.1	53.0	76.3	127	32.8	55.2	78.0	139	32.1	53.0	76.3	127	32.8	55.2	78.0	139
2.80	305	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	32.0	52.7	75.9	127	32.6	54.8	77.4	138	32.0	52.7	75.9	127	32.6	54.8	77.4	138
	406	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	32.0	52.7	75.9	127	32.6	54.8	77.4	138	32.0	52.7	75.9	127	32.6	54.8	77.4	138
	610	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	32.0	52.7	75.9	127	32.6	54.8	77.4	138	32.0	52.7	75.9	127	32.6	54.8	77.4	138
3.20	305	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	31.8	52.3	75.4	126	32.4	54.3	76.6	136	31.8	52.3	75.4	126	32.4	54.3	76.6	136
	406	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	31.8	52.3	75.4	126	32.4	54.3	76.6	136	31.8	52.3	75.4	126	32.4	54.3	76.6	136
	610	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	31.8	52.3	75.4	126	32.4	54.3	76.6	136	31.8	52.3	75.4	126	32.4	54.3	76.6	136
3.60	305	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	31.6	51.7	74.7	124	32.2	53.6	75.7	134	31.6	51.7	74.7	124	32.2	53.6	75.7	134
	406	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	31.6	51.7	74.7	124	32.2	53.6	75.7	134	31.6	51.7	74.7	124	32.2	53.6	75.7	134
	610	22.1	35.3	46.9	72.6	29.3	50.3	66.5	103	31.6	51.7	74.7	124	32.2	53.6	75.7	134	31.6	51.7	74.7	124	32.2	53.6	75.7	134
4.00	305	22.1	35.3	46.9	72.6	29.2	50.1	66.5	103	31.3	51.0	73.8	123	31.9	52.8	74.5	131	31.3	51.0	73.8	123	31.9	52.8	74.5	131
	406	22.1	35.3	46.9	72.6	29.2	50.1	66.5	103	31.3	51.0	73.8	123	31.9	52.8	74.5	131	31.3	51.0	73.8	123	31.9	52.8	74.5	131
	610	22.1	35.3	46.9	72.6	29.2	50.1	66.5	103	31.3	51.0	73.8	123	31.9	52.8	74.5	131	31.3	51.0	73.8	123	31.9	52.8	74.5	131
4.40	305	22.1	35.3	46.9	72.6	28.8	49.2	65.5	103	31.0	50.1	72.3	120	31.5	51.9	73.0	128	31.0	50.1	72.3	120	31.5	51.9	73.0	128
	406	22.1	35.3	46.9	72.6	28.8	49.2	65.5	103	31.0	50.1	72.3	120	31.5	51.9	73.0	128	31.0	50.1	72.3	120	31.5	51.9	73.0	128
	610	22.1	35.3	46.9	72.6	28.8	49.2	65.5	103	31.0	50.1	72.3	120	31.5	51.9	73.0	128	31.0	50.1	72.3	120	31.5	51.9	73.0	128
4.80	305	22.1	35.3	46.9	72.6	28.3	47.9	63.9	101	30.5	49.0	70.4	116	31.1	50.8	71.4	124	30.5	49.0	70.4	116	31.1	50.8	71.4	124
	406	22.1	35.3	46.9	72.6	28.3	47.9	63.9	101	30.5	49.0	70.4	116	31.1	50.8	71.4	124	30.5	49.0	70.4	116	31.1	50.8	71.4	124
	610	22.1	35.3	46.9	72.6	28.3	47.9	63.9	101	30.5	49.0	70.4	116	31.1	50.8	71.4	124	30.5	49.0	70.4	116	31.1	50.8	71.4	124
5.20	305	22.1	35.3	46.9	72.6	27.7	46.4	61.9	97.5	30.0	47.8	68.4	112	30.6	49.5	69.7	120	30.0	47.8	68.4	112	30.6	49.5	69.7	120
	406	22.1	35.3	46.9	72.6	27.7	46.4	61.9	97.5	30.0	47.8	68.4	112	30.6	49.5	69.7	120	30.0	47.8	68.4	112	30.6	49.5	69.7	120
	610	22.1	35.3	46.9	72.6	27.7	46.4	61.9	97.5	30.0	47.8	68.4	112	30.6	49.5	69.7	120	30.0	47.8	68.4	112	30.6	49.5	69.7	120
5.60	305	22.1	35.3	46.9	72.6	27.1	44.7	59.6	93.9	29.5	46.4	66.2	108	30.0	48.2	68.0	116	29.5	46.4	66.2	108	30.0	48.2	68.0	116
	406	22.1	35.3	46.9	72.6	27.1	44.7	59.6	93.9	29.5	46.4	66.2	108	30.0	48.2	68.0	116	29.5	46.4	66.2	108	30.0	48.2	68.0	116
	610	22.1	35.3	46.9	72.6	27.1	44.7	59.6	93.9	29.5	46.4	66.2	108	30.0	48.2	68.0	116	29.5	46.4	66.2	108	30.0	48.2	68.0	116
6.00	305	21.9	35.2	46.9	72.6	26.3	42.8	57.1	89.9	28.9	45.1	64.0	103	29.5	46.8	66.2	111	28.9	45.1	64.0	103	29.5	46.8	66.2	111
	406	21.9	35.2	46.9	72.6	26.3	42.8	57.1	89.9	28.9	45.1	64.0	103	29.5	46.8	66.2	111	28.9	45.1	64.0	103	29.5	46.8	66.2	111
	610	21.9	35.2	46.9	72.6	26.3	42.8	57.1	89.9	28.9	45.1	64.0	103	29.5	46.8	66.2	111	28.9	45.1	64.0	103	29.5	46.8	66.2	111

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

0.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	800S162						800S200						800S250						800S300					
		230 MPa		345 MPa		97		230 MPa		345 MPa		97		230 MPa		345 MPa		97		230 MPa		345 MPa		97	
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97
2.40	305	21.2	34.5	46.1	71.8	28.4	49.3	65.5	102	31.1	52.0	75.2	126	31.8	54.2	77.0	138	30.8	53.9	76.6	137	30.8	53.2	76.0	137
	406	20.9	34.3	45.9	71.6	28.0	49.0	65.2	102	30.8	51.7	74.9	126	31.4	53.9	76.6	137	30.8	53.2	76.0	137	30.8	53.2	76.0	137
	610	20.4	33.8	45.4	71.1	27.4	48.3	64.6	101	30.1	51.1	74.2	125	30.8	53.2	76.0	137	30.8	53.2	76.0	137	30.8	53.2	76.0	137
2.80	305	20.9	34.2	45.9	71.5	28.0	48.9	65.1	102	30.6	51.4	74.5	125	31.3	53.5	76.0	136	30.6	51.4	74.5	125	31.3	53.5	76.0	136
	406	20.5	33.9	45.5	71.2	27.5	48.5	64.7	101	30.1	50.9	74.0	125	30.8	53.0	75.6	135	30.1	50.9	74.0	125	30.8	53.0	75.6	135
	610	19.7	33.2	44.8	70.5	26.6	47.6	63.8	100	29.2	50.0	73.1	124	29.9	52.1	74.6	134	29.2	50.0	73.1	124	29.9	52.1	74.6	134
3.20	305	20.5	33.9	45.5	71.2	27.5	48.4	64.7	101	30.0	50.5	73.5	124	30.6	52.5	74.8	134	29.4	51.9	74.2	133	28.8	50.8	73.0	132
	406	20.0	33.4	45.0	70.7	26.9	47.8	64.1	101	29.4	49.9	72.9	123	30.0	51.9	74.2	133	28.8	50.8	73.0	132	28.8	50.8	73.0	132
	610	19.0	32.5	44.1	69.8	25.7	46.7	62.9	99	28.1	48.7	71.6	122	28.8	50.8	73.0	132	28.1	48.7	71.6	122	28.8	50.8	73.0	132
3.60	305	20.1	33.5	45.1	70.8	27.0	47.9	64.1	101	29.2	49.4	72.2	122	29.9	51.4	73.3	131	28.4	49.1	70.9	128	27.6	49.1	70.9	128
	406	19.4	32.8	44.5	70.2	26.2	47.1	63.4	99.8	28.4	48.7	71.4	121	29.1	50.6	72.5	130	26.9	47.2	69.8	119	27.6	49.1	70.9	128
	610	18.1	31.6	43.3	69.0	24.7	45.6	61.8	98.2	26.9	47.2	69.8	119	27.6	49.1	70.9	128	24.7	45.6	61.8	98.2	26.9	47.2	69.8	119
4.00	305	19.6	33.0	44.6	70.3	26.3	47.1	63.5	99.9	28.4	48.1	70.7	119	29.0	50.0	71.5	127	26.3	47.1	63.5	99.9	28.4	48.1	70.7	119
	406	18.7	32.2	43.8	69.5	25.3	46.1	62.5	98.9	27.4	47.2	69.7	118	28.0	49.0	70.5	126	25.3	46.1	62.5	98.9	27.4	47.2	69.7	118
	610	17.1	30.7	42.3	68.0	23.4	44.2	60.5	96.9	25.5	45.3	67.6	116	26.1	47.2	68.5	124	23.4	44.2	60.5	96.9	25.5	45.3	67.6	116
4.40	305	19.0	32.4	44.0	69.7	25.2	45.5	61.8	99.0	27.3	46.6	68.4	115	28.0	48.4	69.3	123	25.2	45.5	61.8	99.0	27.3	46.6	68.4	115
	406	18.0	31.4	43.0	68.7	24.1	44.3	60.6	97.8	26.2	45.4	67.1	114	26.8	47.2	68.1	122	24.1	44.3	60.6	97.8	26.2	45.4	67.1	114
	610	16.0	29.5	41.2	66.8	21.8	41.9	58.2	95.3	23.8	43.2	64.6	111	24.5	45.0	65.8	119	21.8	41.9	58.2	95.3	23.8	43.2	64.6	111
4.80	305	18.3	31.7	43.3	68.9	24.1	43.5	59.4	95.9	26.2	44.8	65.8	111	26.8	46.6	66.9	119	24.1	43.5	59.4	95.9	26.2	44.8	65.8	111
	406	17.1	30.5	42.1	67.7	22.7	42.0	57.9	94.3	24.8	43.4	64.3	109	25.5	45.2	65.5	117	22.7	42.0	57.9	94.3	24.8	43.4	64.3	109
	610	14.8	28.3	39.9	65.4	20.0	39.3	55.1	91.3	22.1	40.7	61.3	106	22.8	42.6	62.7	114	20.0	39.3	55.1	91.3	22.1	40.7	61.3	106
5.20	305	17.6	30.9	42.5	68.1	22.7	41.2	56.6	91.8	24.9	42.8	62.9	106	25.6	44.6	64.4	114	22.7	41.2	56.6	91.8	24.9	42.8	62.9	106
	406	16.2	29.5	41.1	66.6	21.2	39.5	54.9	90.0	23.3	41.2	61.1	104	24.0	43.0	62.7	112	21.2	39.5	54.9	90.0	23.3	41.2	61.1	104
	610	13.5	26.8	38.4	63.8	18.1	36.3	51.6	86.4	20.2	38.1	57.7	100	20.9	39.9	59.4	108	18.1	36.3	51.6	86.4	20.2	38.1	57.7	100
5.60	305	16.8	30.0	41.6	67.0	21.3	38.7	53.5	87.2	23.5	40.6	59.8	101	24.3	42.5	61.8	108	21.3	38.7	53.5	87.2	23.5	40.6	59.8	101
	406	15.1	28.4	39.9	65.3	19.5	36.8	51.5	85.1	21.7	38.8	57.7	98.2	22.4	40.6	59.8	106	19.5	36.8	51.5	85.1	21.7	38.8	57.7	98.2
	610	12.0	25.3	36.7	61.9	16.1	33.2	47.8	81.0	18.2	35.3	53.8	93.8	19.0	37.2	56.0	102	16.1	33.2	47.8	81.0	18.2	35.3	53.8	93.8
6.00	305	15.7	29.0	40.5	65.8	19.8	36.0	50.1	82.2	22.1	38.4	56.5	94.8	22.8	40.2	59.0	103	19.8	36.0	50.1	82.2	22.1	38.4	56.5	94.8
	406	13.9	27.1	38.5	63.7	17.8	34.0	48.0	79.8	20.0	36.4	54.2	92.2	20.8	38.2	56.7	100	17.8	34.0	48.0	79.8	20.0	36.4	54.2	92.2
	610	10.5	23.5	34.9	59.7	14.1	30.1	43.9	75.3	16.1	32.5	49.9	87.3	16.9	34.3	52.4	95.0	14.1	30.1	43.9	75.3	16.1	32.5	49.9	87.3

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

1.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	800S162						800S200						800S250						800S300													
		230 MPa		345 MPa		97		230 MPa		345 MPa		97		230 MPa		345 MPa		97		230 MPa		345 MPa		97									
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97								
2.40	305	20.4	33.8	45.4	71.1	27.4	48.3	64.6	101	30.1	51.1	74.2	125	30.8	53.2	76.0	137	19.8	33.3	44.9	70.6	26.7	47.7	64.0	100	29.4	50.4	73.5	124	30.1	52.6	75.3	136
	406	18.7	32.2	43.9	69.6	25.4	46.4	62.7	99.2	28.1	49.2	72.2	123	28.8	51.3	74.0	134	19.7	33.2	44.8	70.5	26.6	47.6	63.8	100	29.2	50.0	73.1	124	29.9	52.1	74.6	134
	610	19.0	32.5	44.1	69.8	25.7	46.7	63.0	99.4	28.3	49.2	72.1	123	29.0	51.2	73.7	133	17.5	31.1	42.7	68.5	24.0	44.9	61.2	97.7	26.4	47.4	70.2	121	27.2	49.5	71.9	131
2.80	305	19.0	32.5	44.1	69.8	25.7	46.7	62.9	99.4	28.1	48.7	71.6	122	28.8	50.8	73.0	132	19.0	32.5	44.1	69.8	25.7	46.7	63.0	99.4	28.3	49.2	72.1	123	29.0	51.2	73.7	133
	406	18.0	31.5	43.2	68.9	24.6	45.5	61.8	98.2	26.9	47.6	70.3	120	27.6	49.6	71.7	130	17.5	31.1	42.7	68.5	24.0	44.9	61.2	97.7	26.4	47.4	70.2	121	27.2	49.5	71.9	131
	610	16.0	29.7	41.4	67.1	22.2	43.1	59.4	95.9	24.5	45.3	67.8	118	25.2	47.3	69.3	127	19.0	32.5	44.1	69.8	25.7	46.7	63.0	99.4	28.3	49.2	72.1	123	29.0	51.2	73.7	133
3.20	305	18.1	31.6	43.3	69.0	24.7	45.6	61.8	98.2	26.9	47.2	69.8	119	27.6	49.1	70.9	128	18.0	31.5	43.2	68.9	24.6	45.5	61.8	98.2	26.9	47.6	70.3	120	27.6	49.6	71.7	130
	406	16.8	30.4	42.1	67.8	23.2	44.0	60.3	96.7	25.4	45.7	68.2	117	26.0	47.6	69.4	126	16.0	29.7	41.4	67.1	22.2	43.1	59.4	95.9	24.5	45.3	67.8	118	25.2	47.3	69.3	127
	610	14.3	28.0	39.7	65.4	20.3	41.0	57.3	93.7	22.3	42.8	65.0	114	23.1	44.7	66.3	123	18.1	31.6	43.3	69.0	24.7	45.6	61.8	98.2	26.9	47.2	69.8	119	27.6	49.1	70.9	128
3.60	305	17.1	30.7	42.3	68.0	23.4	44.2	60.5	96.9	25.5	45.3	67.6	116	26.1	47.2	68.5	124	16.8	30.4	42.1	67.8	23.2	44.0	60.3	96.7	25.4	45.7	68.2	117	26.0	47.6	69.4	126
	406	15.5	29.1	40.8	66.5	21.6	42.3	58.6	94.9	23.6	43.5	65.6	114	24.3	45.3	66.6	122	14.3	28.0	39.7	65.4	20.3	41.0	57.3	93.7	22.3	42.8	65.0	114	23.1	44.7	66.3	123
	610	12.4	26.2	37.9	63.5	18.0	38.5	54.9	91.1	19.9	39.9	61.6	109	20.6	41.7	62.8	117	12.4	26.2	37.9	63.5	18.0	38.5	54.9	91.1	19.9	39.9	61.6	109	20.6	41.7	62.8	117
4.00	305	16.0	29.5	41.2	66.8	21.8	41.9	58.2	95.3	23.8	43.2	64.6	111	24.5	45.0	65.8	119	15.5	29.1	40.8	66.5	21.6	42.3	58.6	94.9	23.6	43.5	65.6	114	24.3	45.3	66.6	122
	406	14.1	27.7	39.3	64.9	19.6	39.6	55.9	92.8	21.6	40.9	62.2	109	22.3	42.8	63.4	116	12.4	26.2	37.9	63.5	18.0	38.5	54.9	91.1	19.9	39.9	61.6	109	20.6	41.7	62.8	117
	610	10.4	24.1	35.7	61.2	15.4	35.1	51.3	88.0	17.2	36.6	57.5	103	18.0	38.5	58.8	111	10.4	24.1	35.7	61.2	15.4	35.1	51.3	88.0	17.2	36.6	57.5	103	18.0	38.5	58.8	111
4.40	305	14.8	28.3	39.9	65.4	20.0	39.3	55.1	91.3	22.1	40.7	61.3	106	22.8	42.6	62.7	114	14.1	27.7	39.3	64.9	19.6	39.6	55.9	92.8	21.6	40.9	62.2	109	22.3	42.8	63.4	116
	406	12.5	26.1	37.6	63.1	17.5	36.6	52.4	88.4	19.4	38.1	58.4	103	20.2	40.0	59.9	110	12.5	26.1	37.6	63.1	17.5	36.6	52.4	88.4	19.4	38.1	58.4	103	20.2	40.0	59.9	110
	610	8.3	21.9	33.4	58.6	12.6	31.4	47.1	82.7	14.4	33.1	52.9	96.5	15.2	35.0	54.5	104	8.3	21.9	33.4	58.6	12.6	31.4	47.1	82.7	14.4	33.1	52.9	96.5	15.2	35.0	54.5	104
4.80	305	13.5	26.8	38.4	63.8	18.1	36.3	51.6	86.4	20.2	38.1	57.7	100	20.9	39.9	59.4	108	13.5	26.8	38.4	63.8	18.1	36.3	51.6	86.4	20.2	38.1	57.7	100	20.9	39.9	59.4	108
	406	10.9	24.3	35.8	61.0	15.2	33.3	48.5	83.0	17.2	35.1	54.4	96.4	18.0	37.0	56.2	104	10.9	24.3	35.8	61.0	15.2	33.3	48.5	83.0	17.2	35.1	54.4	96.4	18.0	37.0	56.2	104
	610	6.0 ⁴	19.4	30.8	55.7	9.8	27.6	42.5	76.5	11.5	29.5	48.1	89.2	12.3	31.3	50.0	96.7	6.0 ⁴	19.4	30.8	55.7	9.8	27.6	42.5	76.5	11.5	29.5	48.1	89.2	12.3	31.3	50.0	96.7
5.20	305	12.0	25.3	36.7	61.9	16.1	33.2	47.8	81.0	18.2	35.3	53.8	93.8	19.0	37.2	56.0	102	12.0	25.3	36.7	61.9	16.1	33.2	47.8	81.0	18.2	35.3	53.8	93.8	19.0	37.2	56.0	102
	406	9.1	22.3	33.7	58.6	13.0	29.9	44.3	77.1	14.8	32.0	50.1	89.6	15.6	33.8	52.3	97.2	9.1	22.3	33.7	58.6	13.0	29.9	44.3	77.1	14.8	32.0	50.1	89.6	15.6	33.8	52.3	97.2
	610	3.7 ³	16.9 ⁴	28.0	52.5	7.1 ⁴	23.7	37.8	69.9	8.7 ⁴	25.7	43.1	81.6	9.4	27.5	45.4	89.0	3.7 ³	16.9 ⁴	28.0	52.5	7.1 ⁴	23.7	37.8	69.9	8.7 ⁴	25.7	43.1	81.6	9.4	27.5	45.4	89.0
5.60	305	10.5	23.5	34.9	59.7	14.1	30.1	43.9	75.3	16.1	32.5	49.9	87.3	16.9	34.3	52.4	95.0	10.5	23.5	34.9	59.7	14.1	30.1	43.9	75.3	16.1	32.5	49.9	87.3	16.9	34.3	52.4	95.0
	406	7.3 ⁴	20.2	31.4	55.9	10.7	26.5	40.1	71.0	12.5	28.8	45.8	82.6	13.3	30.6	48.3	90.2	7.3 ⁴	20.2	31.4	55.9	10.7	26.5	40.1	71.0	12.5	28.8	45.8	82.6	13.3	30.6	48.3	90.2
	610	1.5 ³	14.2 ³	25.0 ⁴	48.9	4.4 ³	19.9 ⁴	33.1	63.1	5.8 ³	22.1 ⁴	38.2	73.9	6.6 ³	23.8 ⁴	40.8	81.2	1.5 ³	14.2 ³	25.0 ⁴	48.9	4.4 ³	19.9 ⁴	33.1	63.1	5.8 ³	22.1 ⁴	38.2	73.9	6.6 ³	23.8 ⁴	40.8	81.2

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

1.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	800S162			800S200			800S250			800S300						
		230 MPa	345 MPa	MPa	230 MPa	345 MPa	MPa	230 MPa	345 MPa	MPa	230 MPa	345 MPa	MPa				
2.40	305	19.5	33.0	44.6	70.4	26.4	47.4	63.6	100	29.1	50.1	73.2	124	29.8	52.3	75.0	135.5
	406	18.7	32.2	43.9	69.6	25.4	46.4	62.7	99.2	28.1	49.2	72.2	123	28.8	51.3	74.0	134.3
	610	17.0	30.7	42.4	68.2	23.5	44.5	60.8	97.3	26.1	47.2	70.1	121	26.8	49.4	72.0	132.1
2.80	305	18.6	32.1	43.8	69.5	25.3	46.2	62.5	99.0	27.8	48.7	71.6	122	28.5	50.8	73.2	132.8
	406	17.5	31.1	42.7	68.5	24.0	44.9	61.2	97.7	26.4	47.4	70.2	121	27.2	49.5	71.9	131.2
	610	15.2	29.0	40.7	66.5	21.3	42.3	58.7	95.1	23.7	44.8	67.4	118	24.5	46.8	69.1	128.1
3.20	305	17.5	31.1	42.7	68.5	24.0	44.9	61.2	97.6	26.3	47.0	69.7	120	27.0	49.0	71.1	129.5
	406	16.0	29.7	41.4	67.1	22.2	43.1	59.4	95.9	24.5	45.3	67.8	118	25.2	47.3	69.3	127.4
	610	13.0	26.9	38.7	64.4	18.8	39.6	56.0	92.4	21.0	41.8	64.1	114	21.7	43.8	65.7	123.3
3.60	305	16.2	29.8	41.5	67.2	22.5	43.3	59.6	96.0	24.6	45.0	67.4	116	25.3	46.9	68.6	125.4
	406	14.3	28.0	39.7	65.4	20.3	41.0	57.3	93.7	22.3	42.8	65.0	114	23.1	44.7	66.3	122.7
	610	10.6	24.6	36.3	62.0	16.0	36.6	52.9	89.2	17.9	38.4	60.3	109	18.7	40.3	61.7	117.4
4.00	305	14.8	28.4	40.1	65.7	20.7	41.3	57.7	94.0	22.6	42.6	64.6	113	23.4	44.4	65.6	120.5
	406	12.4	26.2	37.9	63.5	18.0	38.5	54.9	91.1	19.9	39.9	61.6	109	20.6	41.7	62.8	117.2
	610	8.0	21.9	33.6	59.1	12.8	33.1	49.4	85.5	14.6	34.6	55.8	103	15.4	36.5	57.2	110.7
4.40	305	13.2	26.8	38.4	64.0	18.5	38.4	54.7	91.6	20.5	39.9	61.0	107	21.2	41.7	62.2	114.9
	406	10.4	24.1	35.7	61.2	15.4	35.1	51.3	88.0	17.2	36.6	57.5	103	18.0	38.5	58.8	110.9
	610	5.2 ⁴	19.0	30.6	55.9	9.3	28.8	44.8	81.1	11.0	30.5	50.6	95.6	11.8	32.3	52.2	103.2
4.80	305	11.4	25.0	36.6	62.0	16.2	35.3	51.0	86.9	18.2	36.9	57.0	101	18.9	38.7	58.5	108.7
	406	8.3	21.9	33.4	58.6	12.6	31.4	47.1	82.7	14.4	33.1	52.9	96.5	15.2	35.0	54.5	104
	610	2.3 ³	15.9 ⁴	27.3	52.3	5.9 ⁴	24.2	39.6	74.6	7.4 ⁴	26.1	45.0	87.6	8.2	27.8	46.8	95.0
5.20	305	9.6	23.0	34.5	59.7	13.9	31.8	46.9	81.3	15.7	33.7	52.8	94.6	16.5	35.5	54.6	102.1
	406	6.0 ⁴	19.4	30.8	55.7	9.8	27.6	42.5	76.5	11.5	29.5	48.1	89.2	12.3	31.3	50.0	96.7
	610		12.7 ³	23.8 ⁴	48.3	2.4 ³	19.7 ⁴	34.2	67.3	3.8 ³	21.7 ⁴	39.3	79.2	4.5 ⁴	23.3	41.4	86.4
5.60	305	7.7 ⁴	20.9	32.2	57.0	11.4	28.3	42.6	75.3	13.2	30.4	48.3	87.5	14.0	32.2	50.6	95.1
	406	3.7 ³	16.9 ⁴	28.0	52.5	7.1 ⁴	23.7	37.8	69.9	8.7 ⁴	25.7	43.1	81.6	9.4	27.5	45.4	89.0
	610		9.5 ³	20.2 ³	44.0		15.3 ³	28.9 ⁴	59.9	0.3 ³	17.3 ³	33.6 ⁴	70.7	1.0 ³	18.9 ³	35.9	77.7
6.00	305	5.7 ³	18.7 ⁴	29.7	54.1	9.0 ⁴	24.7	38.2	69.0	10.8	27.1	43.8	80.4	11.6	28.8	46.4	87.9
	406	1.5 ³	14.2 ³	25.0 ⁴	48.9	4.4 ³	19.9 ⁴	33.1	63.1	5.8 ³	22.1 ⁴	38.2	73.9	6.6 ³	23.8 ⁴	40.8	81.2
	610		6.2 ²	16.5 ³	39.5 ³		11.1 ³	23.7 ³	52.5 ⁴		13.1 ³	28.1 ³	62.2		14.5 ³	30.5 ⁴	69.0

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

2.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	800S162						800S200						800S250						800S300															
		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		345 MPa		230 MPa		345 MPa		230 MPa		345 MPa		345 MPa													
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97										
2.40	305	18.7	32.2	43.9	69.6	25.4	46.4	62.7	99.2	28.1	49.2	72.2	123	28.8	51.3	74.0	134	2.80	305	17.5	31.1	42.7	68.5	24.0	44.9	61.2	97.7	26.4	47.4	70.2	121	27.2	49.5	71.9	131
	406	17.6	31.2	42.9	68.7	24.2	45.1	61.5	98.0	26.7	47.9	70.8	122	27.5	50.0	72.6	133		406	15.9	29.7	41.4	67.1	22.2	43.2	59.5	96.0	24.6	45.6	68.4	119	25.3	47.7	70.0	129
	610	15.4	29.2	40.9	66.7	21.6	42.6	59.0	95.5	24.1	45.3	68.1	119	24.8	47.5	70.0	130		610	12.9	26.9	38.7	64.4	18.7	39.7	56.1	92.6	21.0	42.2	64.6	115	21.8	44.2	66.4	125
3.20	305	16.0	29.7	41.4	67.1	22.2	43.1	59.4	95.9	24.5	45.3	67.8	118	25.2	47.3	69.3	127	3.60	305	14.3	28.0	39.7	65.4	20.3	41.0	57.3	93.7	22.3	42.8	65.0	114	23.1	44.7	66.3	123
	406	14.0	27.8	39.6	65.3	19.9	40.8	57.2	93.6	22.2	43.0	65.4	115	22.9	45.0	66.9	125		406	11.8	25.7	37.4	63.1	17.4	38.0	54.4	90.7	19.4	39.9	61.8	110	20.1	41.8	63.2	119
	610	10.1	24.2	36.0	61.7	15.4	36.2	52.6	89.0	17.5	38.5	60.5	110	18.3	40.4	62.1	119		610	7.0	21.2	32.9	58.5	11.8	32.3	48.6	84.8	13.6	34.2	55.7	104	14.4	36.1	57.2	112
4.00	305	12.4	26.2	37.9	63.5	18.0	38.5	54.9	91.1	19.9	39.9	61.6	109	20.6	41.7	62.8	117	4.40	305	10.4	24.1	35.7	61.2	15.4	35.1	51.3	88.0	17.2	36.6	57.5	103	18.0	38.5	58.8	111
	406	9.5	23.3	35.0	60.6	14.5	34.9	51.2	87.3	16.3	36.3	57.7	105	17.1	38.2	59.0	113		406	8.3	21.9	33.4	58.6	12.6	31.4	47.1	82.7	14.4	33.1	52.9	96.5	15.2	35.0	54.5	104
	610	3.7 ⁴	17.8	29.4	54.9	7.8	27.9	44.1	80.0	9.4	29.6	50.3	96.7	10.3	31.4	51.7	104		610	0.3 ³	14.2 ⁴	25.6	50.7	3.7 ⁴	22.8	38.6	74.4	5.1 ⁴	24.6	44.1	88.3	5.9	26.3	45.8	96
4.80	305	8.3	21.9	33.4	58.6	12.6	31.4	47.1	82.7	14.4	33.1	52.9	96.5	15.2	35.0	54.5	104	5.20	305	6.0 ⁴	19.4	30.8	55.7	9.8	27.6	42.5	76.5	11.5	29.5	48.1	89.2	12.3	31.3	50.0	96.7
	406	4.2 ⁴	17.9	29.3	54.4	8.1 ⁴	26.6	42.1	77.2	9.7	28.4	47.6	90.6	10.5	30.2	49.3	97.9		406	1.5 ³	14.9 ³	26.1	50.7	4.8 ³	22.2 ⁴	36.9	70.3	6.3 ⁴	24.2	42.2	82.5	7.1 ⁴	25.9	44.2	89.7
	610	10.4 ³	10.4 ³	21.6 ⁴	46.2	17.6 ³	32.6	66.9	0.8 ³	19.5 ⁴	37.7	79.2	1.6 ³	21.1 ⁴	39.6	86.4	610		6.6 ³	17.4 ³	31.2 ⁴	69.9	14.4 ³	31.2 ⁴	69.9	16.0 ³	33.3 ⁴	76.8							
5.60	305	3.7 ³	16.9 ⁴	28.0	52.5	7.1 ⁴	23.7	37.8	69.9	8.7 ⁴	25.7	43.1	81.6	9.4	27.5	45.4	89.0	6.00	305	1.5 ³	14.2 ³	25.0 ⁴	48.9	4.4 ³	19.9 ⁴	33.1	63.1	5.8 ³	22.1 ⁴	38.2	73.9	6.6 ³	23.8 ⁴	40.8	81.2
	406	11.8 ³	22.7 ³	46.7	46.7	1.7 ³	18.0 ³	31.7 ⁴	63.1	3.0 ³	20.0 ⁴	36.7	74.2	3.7 ³	21.7 ⁴	39.0	81.3		406	6.0 ⁴	19.4	30.8	55.7	9.8	27.6	42.5	76.5	11.5	29.5	48.1	89.2	12.3	31.3	50.0	96.7
	610	2.8 ²	13.1 ³	36.2 ³	36.2 ³	7.7 ³	20.8 ³	50.7 ⁴	50.7 ⁴	50.7 ⁴	3.0 ³	20.0 ⁴	36.7	74.2	3.7 ³	21.7 ⁴	39.0		81.3	610	8.8 ³	19.2 ³	42.5 ⁴	42.5 ⁴	13.9 ³	26.7 ³	55.9	16.0 ³	31.4 ⁴	66.0	0.5 ³	17.5 ³	33.8 ⁴	73.0	
	610	8.9 ²	31.0 ³	8.9 ²	31.0 ³	3.3 ²	15.3 ³	42.9 ³	42.9 ³	5.0 ²	19.0 ³	51.7 ³	51.7 ³	5.0 ²	19.0 ³	51.7 ³	58.0 ⁴	610	1.5 ³	14.2 ³	25.0 ⁴	48.9	4.4 ³	19.9 ⁴	33.1	63.1	5.8 ³	22.1 ⁴	38.2	73.9	6.6 ³	23.8 ⁴	40.8	81.2	

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

2.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	800S162			800S200			800S250			800S300						
		230 MPa	345 MPa	345 MPa	230 MPa	345 MPa	345 MPa	230 MPa	345 MPa	345 MPa	230 MPa	345 MPa	345 MPa				
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97
2.40	305	17.9	31.5	43.2	68.9	24.5	45.5	61.8	98.3	27.1	48.2	71.2	122	27.8	50.3	73.0	133
	406	16.5	30.2	41.9	67.7	22.9	43.9	60.2	96.7	25.4	46.6	69.5	120	26.1	48.7	71.3	131
	610	13.8	27.7	39.5	65.3	19.7	40.7	57.1	93.7	22.1	43.4	66.1	117	22.9	45.6	68.0	128
2.80	305	16.3	30.0	41.7	67.5	22.7	43.6	59.9	96.4	25.1	46.1	68.8	119	25.8	48.1	70.5	130
	406	14.4	28.3	40.0	65.8	20.5	41.4	57.8	94.3	22.8	43.9	66.5	117	23.6	46.0	68.2	127
	610	10.7	24.8	36.6	62.4	16.2	37.1	53.6	90.0	18.3	39.6	61.9	112	19.1	41.6	63.7	122
3.20	305	14.5	28.3	40.0	65.7	20.5	41.4	57.7	94.2	22.7	43.5	66.0	116	23.5	45.5	67.5	125
	406	12.1	26.0	37.8	63.5	17.7	38.5	54.9	91.3	19.8	40.7	62.9	112	20.6	42.7	64.5	122
	610	7.3	21.5	33.3	59.1	12.2	32.9	49.3	85.7	14.1	35.1	56.9	106	14.9	37.1	58.6	115
3.60	305	12.5	26.3	38.0	63.7	18.1	38.8	55.1	91.5	20.1	40.6	62.6	111	20.9	42.5	64.0	120
	406	9.4	23.4	35.1	60.8	14.6	35.1	51.5	87.8	16.5	37.0	58.7	107	17.2	38.9	60.2	116
	610	3.6	17.8	29.6	55.2	7.7	28.1	44.4	80.5	9.4	30.1	51.2	99	10.2	31.9	52.8	107
4.00	305	10.2	24.0	35.7	61.3	15.3	35.8	52.1	88.3	17.2	37.2	58.7	106	18.0	39.1	59.9	114
	406	6.5	20.5	32.2	57.7	11.1	31.3	47.6	83.6	12.8	32.9	54.0	101	13.6	34.7	55.3	109
	610		13.8 ⁴	25.4	50.7	3.1 ⁴	22.8	39.0	74.6	4.5	24.6	44.8	90.7	5.3	26.4	46.4	98
4.40	305	7.8	21.5	33.1	58.5	12.3	31.9	48.0	84.5	14.1	33.5	54.0	99.4	14.9	35.3	55.5	107
	406	3.5 ⁴	17.4	28.9	54.2	7.4	26.7	42.7	78.8	9.0	28.5	48.4	93.1	9.8	30.2	50.0	101
	610		9.5 ³	20.9 ⁴	45.8		17.1 ⁴	32.7	68.0		19.0 ⁴	37.8	81.2	0.3 ³	20.6 ⁴	39.6	88.4
4.80	305	5.2 ⁴	18.8	30.3	55.4	9.2	27.8	43.3	78.6	10.8	29.6	48.9	92.0	11.6	31.3	50.6	99.4
	406	0.4 ³	14.0 ⁴	25.4	50.2	3.7 ³	22.0 ⁴	37.3	72.0	5.2 ⁴	23.9	42.5	84.8	5.9 ⁴	25.6	44.4	92.1
	610		5.2 ³	16.2 ³	40.4 ⁴		11.3 ³	26.1 ³	59.7		13.2 ³	30.7 ⁴	71.3		14.8 ³	32.6 ⁴	78.2
5.20	305	2.6 ³	16.0 ⁴	27.2	51.9	6.0 ³	23.5	38.3	71.8	7.6 ⁴	25.5	43.6	84.1	8.4	27.2	45.6	91.4
	406		10.6 ³	21.6 ³	45.9	0.1 ³	17.2 ³	31.6 ⁴	64.4	1.3 ³	19.2 ⁴	36.6	76.1	2.1 ³	20.8 ⁴	38.6	83.1
	610		0.8 ²	11.4 ³	34.8 ³		5.8 ³	19.5 ³	50.9 ⁴		7.7 ³	23.6 ³	61.2		9.0 ³	25.7 ³	67.8
5.60	305		13.1 ³	24.0 ⁴	48.1	3.0 ³	19.3 ³	33.2	64.7	4.4 ³	21.4 ⁴	38.3	76.0	5.1 ³	23.1 ⁴	40.6	83.2
	406		7.2 ³	17.8 ³	41.3 ⁴		12.7 ³	26.1 ³	56.7		14.6 ³	30.6 ⁴	67.2		16.2 ³	32.9 ⁴	74.1
	610			6.6 ²	29.0 ³		0.7 ²	13.3 ³	42.3 ³		2.5 ²	16.9 ³	51.3 ³		3.6 ²	19.0 ³	57.5 ⁴
6.00	305		10.1 ³	20.6 ³	44.1 ⁴	0.1 ³	15.3 ³	28.2 ³	57.6	1.3 ³	17.5 ³	33.0 ⁴	67.9	2.0 ³	19.0 ³	35.5	75.0
	406		3.8 ²	13.9 ³	36.6 ³		8.4 ³	20.8 ³	49.2 ⁴		10.3 ³	25.0 ³	58.6 ⁴		11.7 ³	27.3 ³	65.3
	610			2.0 ²	23.2 ²			7.6 ²	34.1 ³			10.7 ²	42.0 ³			12.6 ³	47.8 ³

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

3.00 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	800S162			800S200			800S250			800S300							
		230 MPa	345 MPa	MPa	230 MPa	345 MPa	MPa	230 MPa	345 MPa	MPa	230 MPa	345 MPa	MPa					
2.40	305	17.0	30.7	42.4	68.2	97.3	23.5	44.5	60.8	97.3	26.1	47.2	70.1	121	26.8	49.4	72.0	132
	406	15.4	29.2	40.9	66.7	95.5	21.6	42.6	59.0	95.5	24.1	45.3	68.1	119	24.8	47.5	70.0	130
	610	12.1	26.2	38.0	63.8	91.8	17.8	38.8	55.3	91.8	20.1	41.6	64.1	114	20.9	43.6	66.0	125
2.80	305	15.2	29.0	40.7	66.5	95.1	21.3	42.3	58.7	95.1	23.7	44.8	67.4	118	24.5	46.8	69.1	128
	406	12.9	26.9	38.7	64.4	92.6	18.7	39.7	56.1	92.6	21.0	42.2	64.6	115	21.8	44.2	66.4	125
	610	8.5	22.8	34.6	60.4	87.5	13.6	34.5	51.0	87.5	15.7	37.0	59.1	109	16.5	39.0	61.0	119
3.20	305	13.0	26.9	38.7	64.4	92.4	18.8	39.6	56.0	92.4	21.0	41.8	64.1	114	21.7	43.8	65.7	123
	406	10.1	24.2	36.0	61.7	89.0	15.4	36.2	52.6	89.0	17.5	38.5	60.5	110	18.3	40.4	62.1	119
	610	4.5	18.9	30.7	56.4	82.3	8.9	29.6	46.0	82.3	10.7	31.8	53.3	102	11.5	33.7	55.1	111
3.60	305	10.6	24.6	36.3	62.0	89.2	16.0	36.6	52.9	89.2	17.9	38.4	60.3	109	18.7	40.3	61.7	117
	406	7.0	21.2	32.9	58.5	84.8	11.8	32.3	48.6	84.8	13.6	34.2	55.7	104	14.4	36.1	57.2	112
	610	0.2 ⁴	14.6	26.3	51.8	76.3	3.8	24.0	40.3	76.3	5.3	26.1	46.8	93.8	6.2	27.9	48.5	102
4.00	305	8.0	21.9	33.6	59.1	85.5	12.8	33.1	49.4	85.5	14.6	34.6	55.8	103	15.4	36.5	57.2	111
	406	3.7 ⁴	17.8	29.4	54.9	80.0	7.8	27.9	44.1	80.0	9.4	29.6	50.3	96.7	10.3	31.4	51.7	104
	610	0.9 ³	9.9 ³	21.5	46.6	69.4	18.0 ⁴	34.0	69.4	18.0 ⁴	34.0	69.4	19.9	39.6	84.8	0.6 ⁴	21.6	41.3
4.40	305	5.2 ⁴	19.0	30.6	55.9	81.1	9.3	28.8	44.8	81.1	11.0	30.5	50.6	95.6	11.8	32.3	52.2	103
	406	0.3 ³	14.2 ⁴	25.6	50.7	74.4	3.7 ⁴	22.8	38.6	74.4	5.1 ⁴	24.6	44.1	88.3	5.9	26.3	45.8	95.7
	610	0.5 ³	5.1 ³	16.3 ³	40.9	61.8	11.6 ³	27.0 ⁴	61.8	11.6 ³	27.0 ⁴	61.8	13.6 ³	31.8 ⁴	74.4	15.1 ³	33.7	81.4
4.80	305	2.3 ³	15.9 ⁴	27.3	52.3	74.6	5.9 ⁴	24.2	39.6	74.6	7.4 ⁴	26.1	45.0	87.6	8.2	27.8	46.8	95.0
	406	0.4 ³	10.4 ³	21.6 ⁴	46.2	66.9	17.6 ³	32.6	66.9	0.8 ³	19.5 ⁴	37.7	79.2	1.6 ³	21.1 ⁴	39.6	86.4	
	610	0.2 ²	0.2 ²	11.0 ³	34.8 ³	52.7 ⁴	5.4 ³	19.8 ³	52.7 ⁴	5.4 ³	19.8 ³	52.7 ⁴	7.3 ³	24.0 ³	63.6	8.7 ³	26.0 ³	70.3
5.20	305	12.7 ³	12.7 ³	23.8 ⁴	48.3	67.3	2.4 ³	19.7 ⁴	34.2	67.3	3.8 ³	21.7 ⁴	39.3	79.2	4.5 ⁴	23.3	41.4	86.4
	406	6.6 ³	6.6 ³	17.4 ³	41.3 ⁴	58.9	12.5 ³	26.6 ³	58.9	14.4 ³	31.2 ⁴	69.9	16.0 ³	33.3 ⁴	76.8	16.0 ³	33.3 ⁴	76.8
	610	5.7 ²	5.7 ²	28.5 ³	28.5 ³	43.4 ³	12.9 ³	28.9 ⁴	43.4 ³	12.9 ³	28.9 ⁴	43.4 ³	1.3 ²	16.5 ³	52.9 ⁴	2.5 ³	18.5 ³	59.2 ⁴
5.60	305	9.5 ³	9.5 ³	20.2 ³	44.0	59.9	15.3 ³	28.9 ⁴	59.9	0.3 ³	17.3 ³	33.6 ⁴	70.7	1.0 ³	18.9 ³	35.9	77.7	
	406	2.8 ²	2.8 ²	13.1 ³	36.2 ³	50.7 ⁴	7.7 ³	20.8 ³	50.7 ⁴	9.6 ³	24.9 ³	60.7	11.0 ³	27.1 ³	67.3	11.0 ³	27.1 ³	67.3
	610	6.2 ²	6.2 ²	16.5 ³	39.5 ³	52.5 ⁴	11.1 ³	23.7 ³	52.5 ⁴	13.1 ³	28.1 ³	62.2	14.5 ³	30.5 ⁴	69.0	14.5 ³	30.5 ⁴	69.0
6.00	406	8.9 ²	8.9 ²	31.0 ³	42.9 ³	58.9 ⁴	3.3 ²	15.3 ³	42.9 ³	5.0 ²	19.0 ³	51.7 ³	6.2 ²	21.2 ³	58.0 ⁴	6.2 ²	21.2 ³	58.0 ⁴
	610	15.9 ²	15.9 ²	31.0 ³	42.9 ³	58.9 ⁴	0.5 ²	25.9 ²	58.9 ⁴	0.5 ²	25.9 ²	58.9 ⁴	3.0 ²	38.3 ³	51.7 ³	4.7 ²	38.3 ³	51.7 ³

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kN)

3.50 kPa Factored Lateral Load

Wall Height (m)	Stud Spacing (mm)	800S162			800S200			800S250			800S300						
		230 MPa	345 MPa		230 MPa	345 MPa		230 MPa	345 MPa		230 MPa	345 MPa					
		43	54	68	97	43	54	68	97	43	54	68	97				
2.40	305	16.2	30.0	41.7	67.4	22.6	43.6	59.9	96.4	25.1	46.3	69.1	120	25.8	48.4	71.0	131.0
	406	14.3	28.2	39.9	65.7	20.3	41.3	57.8	94.3	22.7	44.1	66.8	117	23.5	46.2	68.6	128.4
	610	10.5	24.7	36.5	62.4	15.9	37.0	53.5	90.0	18.1	39.7	62.1	112	19.0	41.7	64.0	123.1
2.80	305	14.1	27.9	39.7	65.4	20.0	41.0	57.4	93.9	22.4	43.5	66.0	116	23.1	45.5	67.7	126.6
	406	11.5	25.5	37.3	63.1	17.0	38.0	54.4	90.9	19.2	40.5	62.8	113	20.0	42.5	64.6	123.0
	610	6.4	20.8	32.6	58.4	11.1	32.0	48.5	85.0	13.1	34.5	56.4	106	13.9	36.5	58.3	115.9
3.20	305	11.6	25.6	37.3	63.1	17.1	37.9	54.3	90.7	19.2	40.1	62.3	112	20.0	42.1	63.9	121.2
	406	8.3	22.4	34.2	59.9	13.2	34.0	50.4	86.8	15.2	36.2	58.1	107	16.0	38.2	59.8	116.5
	610	1.8	16.3	28.1	53.8	5.7	26.3	42.8	79.0	7.4	28.6	49.8	98	8.2	30.5	51.7	107.2
3.60	305	8.8	22.8	34.6	60.2	13.9	34.4	50.8	87.0	15.7	36.3	58.0	106	16.5	38.2	59.5	114.9
	406	4.7	18.9	30.7	56.3	9.1	29.5	45.8	82.0	10.8	31.5	52.7	100	11.6	33.3	54.3	108.9
	610	11.4 ⁴	11.4 ⁴	23.1	48.5	20.0	20.0	36.3	72.1	1.4	22.1	42.4	89.0	2.2	23.9	44.2	97.2
4.00	305	5.8	19.8	31.5	57.0	10.3	30.4	46.7	82.7	12.0	32.1	53.0	99.8	12.8	33.9	54.4	108
	406	1.0 ³	15.1	26.7	52.1	4.6 ⁴	24.5	40.7	76.4	6.1	26.3	46.6	92.7	7.0	28.0	48.2	100
	610	6.2 ³	6.2 ³	17.6 ⁴	42.6	13.3 ³	13.3 ³	29.2	64.3	15.3 ⁴	15.3 ⁴	34.4	79.0	16.9 ⁴	16.9 ⁴	36.2	86.3
4.40	305	2.7 ³	16.6	28.1	53.3	6.5 ⁴	25.7	41.7	77.7	8.0	27.5	47.3	91.9	8.8	29.3	49.0	99.4
	406	11.1 ³	11.1 ³	22.4 ⁴	47.4	0.1 ³	18.9 ⁴	34.7	70.1	1.4 ³	20.8 ⁴	39.9	83.5	2.2 ⁴	22.5	41.7	90.8
	610	0.8 ³	0.8 ³	11.9 ³	36.2 ⁴	6.4 ³	6.4 ³	21.6 ³	55.9	8.4 ³	8.4 ³	26.0 ⁴	67.8	9.8 ³	9.8 ³	27.9 ⁴	74.6
4.80	305	13.1 ³	13.1 ³	24.4	49.2	2.7 ³	20.9 ⁴	36.1	70.7	4.1 ⁴	22.7	41.3	83.4	4.8 ⁴	24.4	43.2	90.6
	406	6.9 ³	6.9 ³	17.9 ³	42.3	13.4 ³	13.4 ³	28.2 ⁴	62.1	15.3 ³	15.3 ³	33.0 ⁴	73.9	16.9 ³	16.9 ³	34.9	80.9
	610	6.1 ³	6.1 ³	29.5 ³	46.1 ³	13.8 ³	13.8 ³	46.1 ³	55.9	1.6 ³	1.6 ³	17.7 ³	56.3 ⁴	2.9 ³	2.9 ³	19.7 ³	62.7
5.20	305	9.6 ³	9.6 ³	20.5 ³	44.7	16.0 ³	16.0 ³	30.4 ⁴	63.0	0.2 ³	18.0 ³	35.2	74.5	0.9 ³	19.6 ⁴	37.3	81.5
	406	2.7 ²	2.7 ²	13.3 ³	36.9 ³	8.0 ³	8.0 ³	21.8 ³	53.5 ⁴	9.9 ³	9.9 ³	26.1 ³	64.0	11.3 ³	11.3 ³	28.2 ³	70.7
	610	0.3 ²	0.3 ²	22.6 ³	42.6 ⁴	6.5 ²	6.5 ²	36.3 ³	55.9	9.7 ³	9.7 ³	45.1 ³	11.7 ³	11.7 ³	11.7 ³	51.0 ³	
5.60	305	6.0 ²	6.0 ²	16.6 ³	40.0 ⁴	11.4 ³	11.4 ³	24.7 ³	55.2	13.3 ³	13.3 ³	29.2 ³	65.6	14.8 ³	14.8 ³	31.4 ⁴	72.4
	406	8.7 ²	8.7 ²	31.3 ³	45.0 ³	3.0 ²	3.0 ²	15.7 ³	45.0 ³	4.8 ²	4.8 ²	19.5 ³	54.4 ⁴	6.0 ³	6.0 ³	21.7 ³	60.7 ⁴
	610	15.7 ²	15.7 ²	42.6 ³	55.9	26.9 ³	26.9 ³	42.6 ³	55.9	9.0 ³	9.0 ³	23.5 ³	56.8 ⁴	10.3 ³	10.3 ³	25.7 ³	63.4
6.00	305	2.6 ²	2.6 ²	12.6 ³	35.1 ³	7.1 ²	7.1 ²	19.4 ³	47.6 ³	13.4 ³	13.4 ³	24.6 ³	54.2 ³	1.0 ²	1.0 ²	15.4 ³	51.1 ³
	406	4.2 ²	4.2 ²	25.7 ³	42.6 ³	10.1 ²	10.1 ²	18.3 ³	42.6 ³	18.3 ²	18.3 ²	34.3 ³	45.2 ³	24.6 ²	24.6 ²	34.3 ³	45.2 ³
	610	9.1 ²	9.1 ²	36.9 ³	55.9	18.3 ²	18.3 ²	34.3 ³	45.2 ³	24.6 ²	24.6 ²	34.3 ³	45.2 ³	29.3 ³	29.3 ³	34.3 ³	45.2 ³

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

Floor Joist Load Tables

Table Notes

- 1 Loads are assumed to be uniformly distributed over entire span(s).
- 2 Load values are based on continuous support of the compression flange over the full length of the joist and the tension flange is laterally braced at a maximum spacing of 2.44 m.
- 3 Joists must be braced against rotation at all supports.
- 4 End shear and web crippling resistances are not reduced for punchouts.
- 5 End web crippling check is based on a 89 mm bearing length. Where allowable spans are followed by (*), web stiffeners are required at end supports.
- 6 Web stiffeners are required at interior supports.

Bridging Recommendations

Bracing components shall be designed based on Section C2 of S136-16 with the minimum required number of rows as shown below. Additional bridging rows may be required by design.

Span(m)	Minimum Number of Rows
up to 4.88	1 at mid span
4.88 to 7.32	2 at 1/3 point
7.32 to 9.75	3 at 1/4 point
9.75 to 12.2	4 at 1/5 point

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (kPa) with $K_{\phi} = 0$

Span (m)	Section	600S162-43			600S162-54			600S162-68			600S162-97			600S200-43			600S200-54			600S200-68			600S200-97		
		305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610
2.40	Design Criteria	10.0*	7.5*	5.0*	17.8*	13.4*	8.9*	18.0*	12.0*	18.4	11.5*	8.6*	5.7*	20.3*	15.3*	10.2*	20.6*	13.7*	13.7*	20.6*	13.7*	13.7*	20.6*	13.7*	13.7*
	Strength L/360	9.9	7.4	5.0	12.2	9.2	6.1	11.3	7.5	10.3	8.6	5.7	14.2	10.7	7.1	14.2	10.7	13.2	8.8	13.2	8.8	13.2	8.8	13.2	8.8
2.80	Design Criteria	7.4	5.5	3.7	13.1*	9.8*	6.5*	17.7	13.2	20.3	13.5	8.4*	4.2*	14.9*	11.2*	7.5*	20.2*	15.1*	10.1*	20.2*	15.1*	10.1*	20.2*	15.1*	10.1*
	Strength L/360	6.2	4.7	3.1	7.70	5.8	3.9	9.5	7.1	9.7	6.5	7.2	5.4	8.9	6.7	4.5	11.0	8.3	5.5	11.0	8.3	5.5	11.0	8.3	5.5
3.20	Design Criteria	5.6	4.2	2.8	10.0	7.5	5.0	13.5	10.1	15.5	10.3	6.5	4.8	11.4*	8.6*	5.7*	15.4	11.6	7.7	15.4	11.6	7.7	15.4	11.6	7.7
	Strength L/360	4.2	3.1	2.1	5.2	3.9	2.6	6.4	4.8	20.7	15.5	10.3	6.5	4.8	3.2	2.1	7.4	5.6	3.7	7.4	5.6	3.7	7.4	5.6	3.7
3.60	Design Criteria	4.5	3.3	2.2	7.9	5.9	4.0	10.7	8.0	12.3	8.2	5.1	3.8	2.6	2.1	1.2	6.8	4.5	3.0	6.8	4.5	3.0	6.8	4.5	3.0
	Strength L/360	2.9	2.2	1.5	3.6	2.7	1.8	4.5	3.4	16.3	12.3	8.2	5.1	3.8	2.6	1.7	4.2	3.2	2.1	4.2	3.2	2.1	5.2	3.9	2.6
4.00	Design Criteria	3.6	2.7	1.8	6.4	4.8	3.2	8.7	6.5	9.9	6.6	4.1	3.1	2.1	1.2	0.9	3.8	2.8	1.9	3.8	2.8	1.9	3.8	2.8	1.9
	Strength L/360	2.1	1.6	1.1	2.6	2.0	1.3	3.3	2.4	13.2	9.9	6.6	4.1	3.1	2.1	1.2	3.1	2.3	1.5	3.1	2.3	1.5	3.8	2.8	1.9
4.40	Design Criteria	3.0	2.2	1.5	5.3	4.0	2.6	7.2	5.4	8.2	5.5	3.4	2.6	1.7	1.1	0.8	3.0	2.2	1.4	3.0	2.2	1.4	3.0	2.2	1.4
	Strength L/360	1.6	1.2	0.8	2.0	1.5	1.0	2.4	1.8	10.9	8.2	5.5	3.4	2.6	1.7	1.2	2.8	2.1	1.4	2.8	2.1	1.4	3.9	2.9	1.9
4.80	Design Criteria	2.5	1.9	1.3	4.5	3.3	2.2	6.0	4.5	6.9	4.6	2.9	2.2	1.4	0.9	0.7	2.5	1.8	1.1	2.5	1.8	1.1	3.4	2.5	1.6
	Strength L/360	1.2	0.9	0.6	1.5	1.1	0.8	1.9	1.4	9.2	6.9	4.6	2.9	2.2	1.4	0.7	1.8	1.3	0.9	2.2	1.6	1.1	3.0	2.3	1.5
5.20	Design Criteria	2.1	1.6	1.1	3.8	2.8	1.9	5.1	3.8	5.9	3.9	2.4	1.8	1.2	0.9	0.7	2.2	1.6	1.1	2.2	1.6	1.1	3.0	2.3	1.5
	Strength L/360	1.0	0.7	0.5	1.2	0.9	0.6	1.5	1.1	7.8	5.9	3.9	2.4	1.8	1.2	0.9	1.4	1.0	0.7	1.7	1.3	0.9	2.4	1.8	1.2
5.60	Design Criteria	1.8	1.4	1.0	3.3	2.5	1.6	4.4	3.3	5.1	3.4	2.1	1.6	1.1	0.8	0.6	1.9	1.4	0.9	1.9	1.4	0.9	2.8	2.1	1.4
	Strength L/360	0.8	0.6	0.4	1.0	0.7	0.5	1.2	0.9	6.8	5.1	3.4	2.1	1.6	1.1	0.8	1.4	1.0	0.7	1.1	0.8	0.6	1.9	1.4	0.9
6.00	Design Criteria	1.6	1.2	0.8	3.0	2.2	1.5	4.0	3.0	4.4	2.9	1.8	1.4	1.0	0.7	0.6	1.9	1.4	0.9	1.9	1.4	0.9	2.8	2.1	1.4
	Strength L/360	0.6	0.4	0.3	0.8	0.6	0.4	1.0	0.7	5.9	4.4	2.9	1.8	1.4	1.0	0.7	3.3	2.4	1.6	3.3	2.4	1.6	4.4	3.3	2.2
6.40	Design Criteria	1.4	1.0	0.7	2.7	2.0	1.4	3.4	2.5	3.7	2.6	1.6	1.2	0.9	0.7	0.6	2.9	2.1	1.4	2.9	2.1	1.4	3.9	2.9	2.1
	Strength L/360	0.5	0.4	0.3	0.6	0.5	0.4	0.8	0.6	5.2	3.9	2.6	1.6	1.2	0.9	0.7	0.7	0.6	0.6	0.9	0.7	0.6	1.1	0.8	0.6
6.80	Design Criteria	1.2	0.9	0.6	2.2	1.6	1.1	3.0	2.2	4.6	3.4	2.1	1.4	1.0	0.7	0.6	2.5	1.8	1.1	2.5	1.8	1.1	3.4	2.6	1.8
	Strength L/360	0.5	0.4	0.3	0.5	0.4	0.3	0.7	0.5	6.3	4.6	3.4	2.1	1.4	1.0	0.7	3.4	2.6	1.8	3.4	2.6	1.8	4.4	3.3	2.2
7.20	Design Criteria	1.0	0.7	0.5	2.0	1.5	1.0	2.7	2.0	4.1	3.1	2.0	1.4	1.0	0.7	0.6	2.3	1.6	1.0	2.3	1.6	1.0	3.0	2.3	1.6
	Strength L/360	0.4	0.3	0.2	0.6	0.5	0.4	0.6	0.6	4.1	3.1	2.0	1.4	1.0	0.7	0.6	2.3	1.6	1.0	3.0	2.3	1.6	4.7	3.5	2.3
7.60	Design Criteria	0.8	0.6	0.4	1.6	1.2	0.8	2.0	1.4	3.7	2.7	1.6	1.1	0.8	0.6	0.5	2.7	1.9	1.3	2.7	1.9	1.3	3.9	2.9	2.1
	Strength L/360	0.4	0.3	0.2	0.5	0.4	0.3	0.6	0.6	3.7	2.7	1.6	1.1	0.8	0.6	0.5	2.7	1.9	1.3	2.7	1.9	1.3	4.2	3.2	2.3
8.00	Design Criteria	0.7	0.5	0.4	1.4	1.0	0.7	1.8	1.3	3.3	2.5	1.5	1.0	0.7	0.6	0.5	2.5	1.8	1.1	2.5	1.8	1.1	3.8	2.9	2.1
	Strength L/360	0.3	0.2	0.2	0.4	0.3	0.2	0.6	0.6	3.3	2.5	1.5	1.0	0.7	0.6	0.5	2.5	1.8	1.1	3.8	2.9	2.1	4.2	3.2	2.3
8.40	Design Criteria	0.6	0.4	0.3	1.2	0.9	0.6	1.6	1.1	3.0	2.2	1.4	1.0	0.7	0.6	0.5	2.3	1.6	1.0	2.3	1.6	1.0	3.5	2.6	1.8
	Strength L/360	0.3	0.2	0.2	0.4	0.3	0.2	0.6	0.6	3.0	2.2	1.4	1.0	0.7	0.6	0.5	2.3	1.6	1.0	3.0	2.3	1.6	4.7	3.5	2.6
8.80	Design Criteria	0.5	0.4	0.3	1.0	0.7	0.5	1.4	1.0	2.7	2.0	1.3	0.9	0.7	0.6	0.5	2.1	1.5	1.0	2.1	1.5	1.0	3.2	2.4	1.7
	Strength L/360	0.2	0.2	0.2	0.3	0.2	0.2	0.4	0.3	2.7	2.0	1.3	0.9	0.7	0.6	0.5	2.1	1.5	1.0	2.1	1.5	1.0	3.2	2.4	1.7
9.20	Design Criteria	0.4	0.3	0.2	0.8	0.6	0.4	1.1	0.8	2.5	1.8	1.1	0.8	0.6	0.5	0.4	1.9	1.4	0.9	1.9	1.4	0.9	3.0	2.3	1.6
	Strength L/360	0.2	0.2	0.2	0.3	0.2	0.2	0.4	0.3	2.5	1.8	1.1	0.8	0.6	0.5	0.4	1.9	1.4	0.9	1.9	1.4	0.9	3.0	2.3	1.6

NOTES:

- * Web stiffeners required at ends of members.
- 1) Values greater than 24 kPa and less than 0.5 kPa are not shown.
- 2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:
 Deflection limit Factor
 L/480 360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (kPa) with $K_{\phi} = 0$

Span (m)	Design Criteria	Strength - Factored Loads												L/360 - Specified Loads											
		600S250-43			600S250-54			600S250-68			600S250-97			600S300-43			600S300-54			600S300-68			600S300-97		
		305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610
2.40	Strength	12.2*	9.1*	6.1*	21.4*	16.0*	10.7*	21.7*	14.5*	22.8*	12.6*	9.4*	6.3*	22.1*	16.6*	11.0*	22.6*	15.1*							
	L/360	13.1	9.8	6.5	15.7	11.7	7.8	15.0	10.0	13.9	14.1	10.6	7.1	16.8	12.6	8.4	16.2	10.8							
2.80	Strength	8.9*	6.7*	4.5*	15.7*	11.8*	7.8*	16.0*	10.6*	16.8	9.2*	6.9*	4.6*	16.2*	12.2*	8.1*	16.6*	11.1*							
	L/360	8.2	6.2	4.1	9.9	7.4	4.9	12.6	6.3	8.8	8.9	6.7	4.4	10.6	8.0	5.3	13.6	10.2							
3.20	Strength	6.8	5.1	3.4	12.0*	9.0*	6.0*	16.3	12.2	19.3	12.8	7.1	5.3	3.5	12.4*	9.3*	16.9*	12.7*	8.5*						
	L/360	5.5	4.1	2.8	6.6	5.0	3.3	8.4	4.2	8.8	5.9	6.0	4.5	3.0	7.1	5.3	9.1	6.9	4.6						
3.60	Strength	5.4	4.1	2.7	9.5	7.1	4.7	12.9	9.7	15.2	10.1	5.6	4.2	2.8	9.8*	7.4*	13.4	1.0	6.7						
	L/360	3.9	2.9	1.9	4.6	3.5	2.3	5.9	4.4	6.2	4.1	4.2	3.1	2.1	5.0	3.7	6.4	4.8	3.2						
4.00	Strength	4.4	3.3	2.2	7.7	5.8	3.8	10.4	7.8	12.3	8.2	4.5	3.4	2.3	8.0	6.0	10.8	8.1	5.4						
	L/360	2.8	2.1	1.4	3.4	2.5	1.7	4.3	3.2	4.5	3.0	3.0	2.3	1.5	3.6	2.7	4.7	3.5	2.3						
4.40	Strength	3.6	2.7	1.8	6.4	4.8	3.2	8.6	6.5	10.2	6.8	3.7	2.8	1.9	6.6	4.9	9.0	6.7	4.5						
	L/360	2.1	1.6	1.1	2.5	1.9	1.3	3.2	2.4	3.4	2.3	2.3	1.7	1.1	2.7	2.1	3.5	2.6	1.8						
4.80	Strength	3.0	2.3	1.5	5.3	4.0	2.7	7.2	5.4	8.6	5.7	3.1	2.4	1.6	5.5	4.1	7.5	5.6	3.8						
	L/360	1.6	1.2	0.8	2.0	1.5	1.0	2.5	1.9	3.5	2.6	1.7	1.8	1.3	2.1	1.6	2.7	2.0	1.4						
5.20	Strength	2.6	1.9	1.3	4.6	3.4	2.3	6.2	4.6	7.3	4.9	2.7	2.0	1.3	4.7	3.5	6.4	4.8	3.2						
	L/360	1.3	1.0	0.6	1.5	1.2	0.8	2.0	1.5	2.7	2.0	1.4	1.4	1.0	1.7	1.2	2.1	1.6	1.1						
5.60	Strength	2.2	1.7	1.1	3.9	2.9	2.0	5.3	4.0	6.3	4.2	2.3	1.7	1.2	4.1	3.0	5.5	4.1	2.8						
	L/360	1.0	0.8	0.5	1.2	0.9	0.6	1.6	1.2	2.2	1.6	1.1	1.1	0.8	1.3	1.0	1.7	1.3	0.9						
6.00	Strength	1.9	1.5		3.4	2.6	1.7	4.6	3.5	5.5	3.7	2.0	1.5	1.1	3.5	2.7	4.8	3.6	2.4						
	L/360	0.8	0.6		1.0	0.8	0.5	1.3	1.0	1.8	1.3	0.9	0.9	0.7	1.1	0.8	1.4	1.0	0.7						
6.40	Strength	1.7	1.3		3.0	2.3		4.1	3.1	4.8	3.2	1.8	1.3	1.1	3.1	2.3	4.2	3.2	2.1						
	L/360	0.7	0.5		0.8	0.6		1.1	0.8	1.5	1.1	0.7	0.6	0.9	0.7	0.7	1.1	0.9	0.6						
6.80	Strength	1.5			2.7	2.0		3.6	2.7	4.3	2.8	1.6			2.8	2.1	3.8	2.8							
	L/360	0.6			0.7	0.5		0.9	0.7	1.2	0.9	0.6	0.6	0.7	0.6	0.6	1.0	0.7	1.4						
7.20	Strength	1.4			2.4			3.2	2.4	5.1	3.8	2.5	1.4				3.3	2.5							
	L/360	0.5			0.6			0.7	0.6	1.0	0.8	0.5	0.5				0.8	0.6							
7.60	Strength				2.1			2.9	3.4	4.6	3.4						3.0	2.3							
	L/360				0.5			0.6	0.9	0.9	0.7						0.7	0.5							
8.00	Strength				2.6			4.1	3.1	4.1	3.1						2.7								
	L/360				0.5			0.5	0.8	0.6	0.6						0.6								
8.40	Strength							3.7	2.8	3.7	2.8						2.5								
	L/360							0.6	0.5	0.6	0.5						0.5								
8.80	Strength							3.4		3.4							3.6								
	L/360							0.6		0.6							0.6								
9.20	Strength							3.1		3.1							3.3								
	L/360							0.5		0.5							0.6								

NOTES:

* Web stiffeners required at ends of members.

1) Values greater than 24 kPa and less than 0.5 kPa are not shown.

2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:

$$\text{Factor} = \frac{360}{480} = 0.75$$

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (kPa) with $K_{\phi} = 0$

Span (m)	Design Criteria	800S250-43			800S250-54			800S250-68			800S250-97			800S300-43			800S300-54			800S300-68			800S300-97			
		305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	
2.40	Strength L/360	19.2	12.2*	8.2*	21.9*	14.6*	20.0*	23.0	15.3	19.6	20.0*	12.2*	8.2*	15.0*	20.7*	16.4	16.4	15.0*	12.2*	8.2*	20.7*	16.4	16.4	15.0*	12.2*	8.2*
2.80	Strength L/360	12.1*	9.1*	6.1*	16.1*	10.7*	14.7*	23.6*	17.2	23.6*	17.2	12.5*	9.4*	22.1*	16.5*	11.0*	22.8*	15.2*	11.0*	6.2*	22.1*	16.5*	11.0*	22.8*	15.2*	11.0*
3.20	Strength L/360	9.3*	7.0*	4.6*	16.4*	12.3*	11.3*	18.1*	13.3*	18.1*	11.5	9.6*	7.2*	16.9*	12.7*	8.4*	17.4*	11.6*	8.4*	4.8*	16.9*	12.7*	8.4*	17.4*	11.6*	8.4*
3.60	Strength L/360	7.3*	5.5*	3.7*	13.0*	9.7*	8.9*	21.5*	14.3*	21.5*	14.3*	7.6*	5.7*	13.3*	10.0*	6.7*	18.4*	13.8*	6.7*	3.8*	13.3*	10.0*	6.7*	18.4*	13.8*	6.7*
4.00	Strength L/360	5.9*	4.5*	3.0*	10.5*	7.9*	7.2*	23.2	17.4	23.2	17.4	6.1*	4.6*	10.8*	8.1*	5.4*	14.9*	11.2*	8.1*	3.1*	10.8*	8.1*	5.4*	14.9*	11.2*	8.1*
4.40	Strength L/360	4.9	3.7	2.5	8.7*	6.5*	6.0*	19.1	14.4	19.1	14.4	5.1*	3.8*	2.5*	8.9*	6.7*	12.3*	9.2*	6.1*	2.5*	8.9*	6.7*	4.5*	12.3*	9.2*	6.1*
4.80	Strength L/360	4.1	3.1	2.1	7.3*	5.5*	5.0	16.1	12.1	16.1	12.1	4.2	3.2	2.2	5.3	4.0	10.3	7.8	5.2	2.2	5.3	4.0	2.7	6.8	5.1	3.4
5.20	Strength L/360	3.5	2.6	1.8	6.2	4.7	4.3	13.7	10.3	13.7	10.3	3.6	2.7	1.8	6.4	4.8	8.8	6.6	4.4	1.8	6.4	4.8	3.2	8.8	6.6	4.4
5.60	Strength L/360	3.0	2.3	1.5	5.4	4.0	3.7	11.8	8.9	11.8	8.9	3.1	2.3	1.6	5.5	4.1	7.6	5.7	3.8	1.6	5.5	4.1	2.8	7.6	5.7	3.8
6.00	Strength L/360	2.6	2.0	1.3	4.7	3.5	3.2	10.3	7.7	10.3	7.7	2.7	2.0	1.4	4.8	3.6	6.6	5.0	3.3	1.4	4.8	3.6	2.4	6.6	5.0	3.3
6.40	Strength L/360	2.3	1.7	1.2	4.1	3.1	2.8	9.1	6.8	9.1	6.8	2.4	1.8	1.2	4.2	3.2	5.8	4.4	2.9	1.2	4.2	3.2	2.1	5.8	4.4	2.9
6.80	Strength L/360	2.1	1.5	1.0	3.6	2.7	2.5	8.0	6.0	8.0	6.0	2.1	1.6	1.1	3.7	2.8	5.1	3.9	2.6	1.1	3.7	2.8	1.9	5.1	3.9	2.6
7.20	Strength L/360	1.8	1.4	0.9	3.2	2.4	2.2	7.2	5.4	7.2	5.4	1.9	1.4	0.9	3.3	2.5	4.6	3.4	2.3	0.9	3.3	2.5	1.7	4.6	3.4	2.3
7.60	Strength L/360	1.6	1.2	0.8	2.9	2.2	2.0	6.4	4.8	6.4	4.8	1.7	1.3	1.0	3.0	2.2	4.1	3.1	2.1	1.0	3.0	2.2	1.5	4.1	3.1	2.1
8.00	Strength L/360	1.5	1.1	0.7	2.6	2.0	1.8	5.8	4.3	5.8	4.3	1.5	1.1	0.8	2.7	2.0	3.7	2.8	1.9	0.8	2.7	2.0	1.3	3.7	2.8	1.9
8.40	Strength L/360	1.3	0.9	0.6	2.4	1.8	1.6	5.3	3.9	5.3	3.9	1.4	1.0	0.7	2.5	1.8	3.4	2.5	1.7	0.7	2.5	1.8	1.0	3.4	2.5	1.7
8.80	Strength L/360	1.2	0.8	0.5	2.2	1.6	1.5	4.8	3.6	4.8	3.6	1.3	0.9	0.8	2.2	1.7	3.1	2.3	1.4	0.8	2.2	1.7	1.0	3.1	2.3	1.4
9.20	Strength L/360	1.0	0.7	0.5	2.0	1.5	1.4	4.4	3.3	4.4	3.3	1.2	0.9	0.7	2.0	1.5	2.8	2.1	1.2	0.7	2.0	1.5	0.9	2.8	2.1	1.2

NOTES:

- * Web stiffeners required at ends of members.
- 1) Values greater than 24 kPa and less than 0.5 kPa are not shown.
- 2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:
Factor
L/480 360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (kPa) with $K_{\phi} = 0$

Span (m)	Section Design Criteria	Strength - Factored Loads												L/360 - Specified Loads					
		1000S162-54			1000S162-68			1000S162-97			1000S200-54			1000S200-68			1000S200-97		
		305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610
3.20	Strength L/360	16.9*	12.6*	8.4*	23.4*	17.6*	11.7*	19.1*	19.3*	14.5*	9.7*	15.3	19.2	14.4	9.6	20.3*	13.5*	21.9*	17.4
		16.8	12.6	8.4	21.5	16.1	10.8	15.3	19.2	14.4	9.6	15.3	19.2	14.4	9.6	18.4	12.3	17.4	12.3
3.60	Strength L/360	13.3*	10.0*	6.7*	18.5*	13.9*	9.3*	22.7*	15.1*	15.5*	11.6*	15.1*	15.5*	11.6*	7.7*	16.0*	10.7*	17.3*	12.3
		11.8	8.9	5.9	15.1	11.3	7.6	16.1	10.8	13.5	10.1	6.7	16.1	10.8	13.5	10.1	12.9	8.6	12.3
4.00	Strength L/360	10.8*	8.1*	5.4*	15.0*	11.2*	7.5*	18.3*	12.2*	12.5*	9.4*	11.8	7.8	9.4	6.3	13.0*	8.7*	21.0*	14.0*
		8.6	6.5	4.3	11.0	8.3	5.5	11.8	7.8	9.8	7.4	4.9	11.8	7.8	9.4	12.6	9.4	13.4	8.9
4.40	Strength L/360	8.9*	6.7*	4.5*	12.4*	9.3*	6.2*	20.2	15.2	10.1	10.4*	7.8*	5.2*	7.2*	5.2*	10.7*	7.2*	23.1	11.6*
		6.5	4.8	3.2	8.3	6.2	4.1	11.8	8.8	5.9	7.4	5.5	7.4	5.5	3.7	9.4	7.1	13.4	10.1
4.80	Strength L/360	7.5*	5.6*	3.7*	10.4*	7.8*	5.2*	17	12.7	8.5	8.7*	6.5*	4.4*	12.0*	9.0*	6.0*	19.4	14.6*	9.7*
		5.0	3.7	2.5	6.4	4.8	3.2	9.1	6.8	4.5	5.7	4.3	2.8	7.3	5.5	3.6	10.3	7.8	5.2
5.20	Strength L/360	6.4*	4.8*	3.2*	8.9	6.7	4.4	14.5	10.9	7.2	7.4*	5.6*	3.7*	10.3*	7.7*	5.1*	16.6	12.4	8.3
		3.9	2.9	2.0	5.0	3.8	2.5	7.1	5.4	3.6	4.5	3.4	2.2	5.7	4.3	2.9	8.1	6.1	4.1
5.60	Strength L/360	5.5	4.1	2.8	7.6	5.7	3.8	12.5	9.4	6.2	6.4*	4.8*	3.2*	8.8*	6.6*	4.4*	14.3	10.7	7.1
		3.1	2.4	1.6	4.0	3.0	2.0	2.0	2.5	2.9	3.6	2.7	1.8	4.6	3.4	2.3	6.5	4.9	3.3
6.00	Strength L/360	4.8	3.6	2.4	6.7	5.0	3.3	10.9	8.2	5.4	5.6*	4.2*	2.8*	7.7	5.8	3.9	12.4	9.3	6.2
		2.5	1.9	1.3	3.3	2.4	1.6	4.6	3.5	2.3	2.9	2.2	1.5	3.7	2.8	1.9	5.3	4.0	2.6
6.40	Strength L/360	4.2	3.2	2.1	5.9	4.4	2.9	9.6	7.2	4.8	4.9	3.7	2.5	6.8	5.1	3.4	10.9	8.2	5.5
		2.1	1.6	1.1	2.7	2.0	1.3	3.8	2.9	1.9	2.4	1.8	1.2	3.1	2.3	1.5	4.4	3.3	2.2
6.80	Strength L/360	3.7	2.8	1.9	5.2	3.9	2.6	8.5	6.3	4.2	4.3	3.3	2.2	6.0	4.5	3.0	9.7	7.3	4.8
		1.8	1.3	0.9	2.2	1.7	1.1	3.2	2.4	1.6	2.0	1.5	1.0	2.6	1.9	1.3	3.6	2.7	1.8
7.20	Strength L/360	3.3	2.5	1.7	4.6	3.5	2.3	7.6	5.7	3.8	3.9	2.9	1.9	5.3	4.0	2.7	8.6	6.5	4.3
		1.5	1.1	0.7	1.9	1.4	0.9	2.7	2.0	1.3	1.7	1.3	0.8	2.2	1.6	1.1	3.1	2.3	1.5
7.60	Strength L/360	3.0	2.2	1.5	4.2	3.1	2.1	6.8	5.1	3.4	3.5	2.6	1.7	4.8	3.6	2.4	7.8	5.8	3.9
		1.3	0.9	0.6	1.6	1.2	0.8	2.3	1.7	1.1	1.4	1.1	0.7	1.8	1.4	0.9	2.6	2.0	1.3
8.00	Strength L/360	2.7	2.0	1.3	3.7	2.8	1.9	6.1	4.6	3.1	3.1	2.4	1.6	4.3	3.2	2.2	7.0	5.2	3.5
		1.1	0.8	0.5	1.4	1.0	0.7	2.0	1.5	1.0	1.2	0.9	0.6	1.6	1.2	0.8	2.2	1.7	1.1
8.40	Strength L/360	2.4	1.8	1.2	3.4	2.6	1.7	5.5	4.2	2.8	2.8	2.1	1.4	3.9	2.9	2.0	6.3	4.8	3.2
		0.9	0.7	0.5	1.2	0.9	0.6	1.7	1.3	0.8	1.1	0.8	0.5	1.4	1.0	0.7	1.9	1.4	1.0
8.80	Strength L/360	2.2	1.7	1.1	3.1	2.3	1.5	5.1	3.8	2.5	2.6	1.9	1.2	3.6	2.7	1.8	5.8	4.3	2.9
		0.8	0.6	0.4	1.0	0.8	0.5	1.5	1.1	0.7	0.9	0.7	0.5	1.2	0.9	0.6	1.7	1.3	0.8
9.20	Strength L/360	2.0	1.5	1.0	2.8	2.1	1.4	4.6	3.5	2.3	2.4	1.8	1.1	3.3	2.5	1.6	5.3	4.0	2.6
		0.7	0.5	0.3	0.9	0.7	0.5	1.3	1.0	0.6	0.8	0.6	0.4	1.0	0.8	0.5	1.5	1.1	0.7
9.60	Strength L/360	1.9	1.4	0.9	2.6	2.0	1.3	4.2	3.2	2.1	2.2	1.6	1.0	3.0	2.3	1.5	4.9	3.6	2.4
		0.6	0.4	0.3	0.8	0.6	0.4	1.1	0.9	0.6	0.7	0.5	0.4	0.9	0.7	0.5	1.3	1.0	0.6
10.0	Strength L/360	1.7	1.2	0.8	2.4	1.8	1.1	3.9	2.9	2.0	2.0	1.4	0.9	2.8	2.1	1.4	4.5	3.4	2.2
		0.6	0.4	0.3	0.7	0.5	0.3	1.0	0.8	0.5	0.6	0.4	0.3	0.8	0.6	0.4	1.1	0.9	0.6

NOTES:

- * Web stiffeners required at ends of members.
- 1) Values greater than 24 kPa and less than 0.5 kPa are not shown.
- 2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:

Deflection limit Factor
L/480 $360/480 = 0.75$

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (kPa) with $K_{\phi} = 0$

Strength - Factored Loads		1000S250-54			1000S250-68			1000S250-97			1000S300-54			1000S300-68			1000S300-97			
		Span (m)	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610
3.20	Design Criteria	19.3*	14.5*	9.7*		21.5*	14.3*	23.3*	19.3*	14.5*	9.7*		22.2*	14.8*						
	Strength L/360	22	16.5	11.0		21.0	14.0	19.7	23.1	17.3	11.6		22.5	15.0						
3.60	Strength L/360	16.4*	12.3*	8.2*	22.6*	17.0*	11.3*	18.4*	16.8*	12.6*	8.4*	23.3*	17.5*	11.7*						19.1*
	Strength L/360	15.5	11.6	7.7	19.7	14.8	9.9	13.8	16.2	12.2	8.1	21.1	15.8	10.5						15.1
4.00	Strength L/360	13.3*	9.9*	6.6*	18.3*	13.7*	9.2*	14.9*	13.6*	10.2*	6.8*	18.9*	14.2*	9.5*	23.2*	15.5*				15.5*
	Strength L/360	11.3	8.5	5.6	14.4	10.8	7.2	15.1	10.1	11.8	8.9	15.4	11.5	7.7	16.6	11.0				11.0
4.40	Strength L/360	11.0*	8.2*	5.5*	15.1*	11.3*	7.6*	18.5*	12.3*	8.5*	5.6*	15.6*	11.7*	7.8*	19.2*	12.8*				12.8*
	Strength L/360	8.5	6.4	4.2	10.8	8.1	5.4	11.4	7.6	8.9	6.7	11.6	8.7	5.8	12.4	8.3				8.3
4.80	Strength L/360	9.2*	6.9*	4.6*	12.7*	9.5*	6.4*	20.7*	15.5*	10.4*	9.5*	13.1*	9.8*	6.6*	16.1*	10.7*				10.7*
	Strength L/360	6.5	4.9	3.3	8.3	6.2	4.2	11.7	8.8	5.8	6.9	5.1	8.9	6.7	12.8	9.6				6.4
5.20	Strength L/360	7.8*	5.9*	3.9*	10.8*	8.1*	5.4*	17.7	13.2	8.8	8.1*	11.2*	8.4*	5.6*	18.3*	13.7*				9.2*
	Strength L/360	5.1	3.8	2.6	6.5	4.9	3.3	9.2	6.9	4.6	5.4	4.0	7.0	5.2	10.1	7.5				5.0
5.60	Strength L/360	6.8*	5.1*	3.4*	9.3*	7.0*	4.7*	15.2	11.4	7.6	7.0*	9.6*	7.2*	4.8*	15.8	11.8				7.9
	Strength L/360	4.1	3.1	2.1	5.2	3.9	2.6	7.4	5.5	3.7	4.3	3.2	2.2	5.6	8.0	6.0				4.0
6.00	Strength L/360	5.9*	4.4*	2.9*	8.1	6.1	4.1	13.3	9.9	6.6	6.1*	4.5*	3.0*	8.4*	6.3*	4.2*				6.9
	Strength L/360	3.3	2.5	1.7	4.3	3.2	2.1	6	4.5	3.0	3.5	2.6	1.8	4.6	3.4	2.3				3.3
6.40	Strength L/360	5.2*	3.9*	2.6*	7.2	5.4	3.6	11.7	8.7	5.8	5.3*	4.0*	2.7*	7.4	5.5	3.7				6.0
	Strength L/360	2.8	2.1	1.4	3.5	2.6	1.8	4.9	3.7	2.5	2.9	2.2	1.4	3.8	2.8	1.9				2.7
6.80	Strength L/360	4.6	3.4	2.3	6.3	4.8	3.2	10.3	7.7	5.2	4.7	3.5	2.4	6.5	4.9	3.3				5.4
	Strength L/360	2.3	1.7	1.1	2.9	2.2	1.5	4.1	3.1	2.1	2.4	1.8	1.2	3.1	2.3	1.6				2.2
7.20	Strength L/360	4.1	3.1	2.0	5.7	4.2	2.8	9.2	6.9	4.6	4.2	3.2	2.1	5.8	4.4	2.9				4.8
	Strength L/360	1.9	1.4	1.0	2.5	1.8	1.2	3.5	2.6	1.7	2.0	1.5	1.0	2.6	2.0	1.3				1.9
7.60	Strength L/360	3.7	2.8	1.8	5.1	3.8	2.5	8.3	6.2	4.1	3.8	2.8	1.9	5.2	3.9	2.6				4.3
	Strength L/360	1.6	1.2	0.8	2.1	1.6	1.0	2.9	2.2	1.5	1.7	1.3	0.9	2.2	1.7	1.1				1.6
8.00	Strength L/360	3.3	2.5	1.7	4.6	3.4	2.3	7.5	5.6	3.7	3.4	2.6	1.7	4.7	3.5	2.4				3.9
	Strength L/360	1.4	1.1	0.7	1.8	1.3	0.9	2.5	1.9	1.3	1.5	1.1	0.7	1.9	1.4	1.0				1.4
8.40	Strength L/360	3.0	2.3	1.5	4.2	3.1	2.1	6.8	5.1	3.4	3.1	2.3	1.5	4.3	3.2	2.1				3.5
	Strength L/360	1.2	0.9	0.6	1.6	1.2	0.8	2.2	1.6	1.1	1.3	1.0	0.6	1.7	1.2	0.8				1.2
8.80	Strength L/360	2.7	2.1	1.4	3.8	2.8	1.9	6.2	4.6	3.1	2.8	2.1	1.4	3.9	2.9	2.0				3.2
	Strength L/360	1.1	0.8	0.5	1.3	1.0	0.7	1.9	1.4	0.9	1.1	0.8	0.6	1.4	1.1	0.7				1.0
9.20	Strength L/360	2.5	1.9		3.5	2.6	1.7	5.6	4.2	2.8	2.6	1.9	1.3	3.6	2.7	1.8				2.9
	Strength L/360	0.9	0.7		1.2	0.9	0.6	1.7	1.2	0.8	1.0	0.7	0.5	1.3	0.9	0.6				0.9
9.60	Strength L/360	2.3	1.7		3.2	2.4	1.6	5.2	3.9	2.6	2.4	1.8		3.3	2.5	1.6				2.7
	Strength L/360	0.8	0.6		1.0	0.8	0.5	1.5	1.1	0.7	0.9	0.6		1.1	0.8	0.6				0.8
10.0	Strength L/360	2.1	1.6		2.9	2.2		4.8	3.6	2.4	2.2	1.6		3.0	2.3	1.5				2.5
	Strength L/360	0.7	0.5		0.9	0.7		1.3	1.0	0.6	0.8	0.6		1.0	0.7	0.5				0.7

NOTES:

- * Web stiffeners required at ends of members.
- 1) Values greater than 24 kPa and less than 0.5 kPa are not shown.
- 2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:
Factor
360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (kPa) with $K_{\phi} = 0$

Strength - Factored Loads		1200S162-68			1200S162-97			1200S200-68			1200S200-97			1200S250-68			1200S250-97			1200S300-68			1200S300-97		
		Span (m)	Design Criteria	Spacing (mm)	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610
4.00	Strength	17.6*	13.2*	8.8*	22.1*	14.7*	10.3*	20.6*	15.4*	10.3*	17.1*	22.1*	16.5*	11.0*	18.2*	22.8*	17.1*	11.4*	18.2*	22.8*	17.1*	11.4*	18.2*	22.8*	17.1*
	L/360	16.9	12.7	8.4	18.4	12.3	9.6	19.1	14.4	9.6	13.9	21.2	15.9	10.6	15.6	23.8	17.8	11.9	15.6	23.8	17.8	11.9	15.6	23.8	17.8
4.40	Strength	14.6*	10.9*	7.3*	18.3*	12.2*	8.5*	17.0*	12.8*	8.5*	21.1*	14.1*	18.2*	13.7*	9.1*	22.5*	15.0*	18.8*	14.1*	9.4*	23.5*	15.7*	19.3	12.8	19.3
	L/360	12.7	9.5	6.3	13.9	9.2	7.2	14.4	10.8	7.2	15.7	10.4	15.9	11.9	7.9	17.5	11.7	17.9	13.4	8.9	23.5*	15.7*	19.3	12.8	19.3
4.80	Strength	12.3*	9.2*	6.1*	15.3*	10.2*	7.1*	14.3*	10.7*	7.1*	17.8*	11.8*	15.3*	11.5*	7.7*	18.9*	12.6*	15.8*	11.9*	7.9*	19.8*	13.2*	14.8	9.9	14.8
	L/360	9.8	7.3	4.9	10.7	7.1	11.1	8.3	5.5	16.1	12.1	8.0	12.2	9.2	6.1	13.5	9.0	13.8	10.3	6.9	22.5*	16.9*	11.2*	14.8	9.9
5.20	Strength	10.4*	7.8*	5.2*	17.4*	13.1*	8.7*	12.2*	9.1*	6.1*	20.2*	15.1*	13.1*	9.8*	6.5*	21.5*	10.7*	13.5*	10.1*	6.7*	22.5*	16.9*	11.2*	16.9	11.2
	L/360	7.7	5.8	3.8	11.2	8.4	5.6	8.7	6.5	4.4	12.6	9.5	6.3	4.8	4.8	14.2	10.6	7.1	10.8	8.1	15.6	11.7	7.8	10.8	8.1
5.60	Strength	9.0*	6.8*	4.5*	11.3	7.5	5.0*	10.5*	7.9*	5.2*	17.4*	13.0*	8.7*	5.6*	3.9	18.5*	13.9*	9.3*	5.8*	3.9	19.4*	14.5*	9.7*	14.5	9.3
	L/360	6.1	4.6	3.1	9.0	6.7	4.5	7.0	5.2	3.5	10.1	7.6	5.1	3.9	3.9	11.3	8.5	5.7	8.7	6.5	4.3	12.5	9.3	8.7	6.5
6.00	Strength	7.8	5.9	3.9	13.1	9.8	6.5	9.1*	6.9*	4.6*	15.2*	11.4*	7.6*	4.9*	3.1	16.1*	12.1*	8.1*	7.6*	5.1*	16.9*	12.7*	8.4*	16.9	12.7
	L/360	5.0	3.7	2.5	7.3	5.5	3.6	5.7	4.3	2.8	8.2	6.2	4.1	3.1	3.1	9.2	6.9	4.6	7.0	5.3	10.1	7.6	5.1	9.2	6.9
6.40	Strength	6.9	5.2	3.4	11.5	8.6	5.8	8.0*	6.0*	4.0*	13.3	10	6.7	8.6*	4.3*	14.2*	10.6*	7.1*	8.9*	6.7*	14.8*	11.1*	7.4*	14.8	11.1
	L/360	4.1	3.1	2.1	6.0	4.5	3.0	4.7	3.5	2.3	6.8	5.1	3.4	5.2	2.6	7.6	5.7	3.8	5.8	4.4	2.9	8.3	6.3	4.2	5.8
6.80	Strength	6.1	4.6	3.1	10.2	7.6	5.1	7.1*	5.3*	3.6*	11.8	8.8	5.9	7.6*	3.8*	12.6	9.4	6.3	7.9*	5.9*	13.1	9.9	6.6	13.1	9.9
	L/360	3.4	2.6	1.7	5.0	3.8	2.5	3.9	2.9	1.9	5.7	4.2	2.8	4.3	2.2	6.3	4.7	3.2	4.8	3.6	2.4	7.0	5.2	3.5	4.8
7.20	Strength	5.4	4.1	2.7	9.1	6.8	4.5	6.3	4.8	3.2	10.5	7.9	5.3	6.8*	5.1*	11.2	8.4	5.6	7.0*	5.3*	11.7	8.8	5.9	11.7	8.8
	L/360	2.9	2.2	1.4	4.2	3.2	2.1	3.3	2.5	1.6	4.8	3.6	2.4	3.6	2.7	1.8	5.3	4.0	2.7	4.1	3.1	2.0	5.9	4.4	2.9
7.60	Strength	4.9	3.7	2.4	8.2	6.1	4.1	5.7	4.3	2.8	9.4	7.1	4.7	6.1	4.6	10.1	7.5	5.0	6.3*	4.7*	10.5	7.9	5.3	10.5	7.9
	L/360	2.5	1.8	1.2	3.6	2.7	1.8	2.8	2.1	1.4	4.1	3.0	2.0	3.1	2.3	4.5	3.4	2.3	3.5	2.6	1.7	5.0	3.7	2.5	3.7
8.00	Strength	4.4	3.3	2.2	7.4	5.5	3.7	5.1	3.9	2.6	8.5	6.4	4.3	5.5	4.1	2.8	9.1	6.8	4.5	5.7	4.3	2.8	9.5	7.1	4.7
	L/360	2.1	1.6	1.1	3.1	2.3	1.5	2.4	1.8	1.2	3.5	2.6	1.7	2.6	2.0	1.3	3.9	2.9	1.9	3.0	2.2	1.5	4.3	3.2	2.1
8.40	Strength	4.0	3.0	2.0	6.7	5.0	3.3	4.7	3.5	2.3	7.7	5.8	3.9	5.0	3.8	2.5	8.2	6.2	4.1	5.2	3.9	2.6	8.6	6.5	4.3
	L/360	1.8	1.4	0.9	2.7	2.0	1.3	2.1	1.5	1.0	3.0	2.2	1.5	2.3	1.7	1.1	3.4	2.5	1.7	2.6	1.9	1.3	3.7	2.8	1.8
8.80	Strength	3.6	2.7	1.8	6.1	4.6	3.0	4.3	3.2	2.1	7.0	5.3	3.5	4.6	3.4	2.3	7.5	5.6	3.8	4.7	3.5	2.4	7.9	5.9	3.9
	L/360	1.6	1.2	0.8	2.3	1.7	1.2	1.8	1.3	0.9	2.6	2.0	1.3	2.0	1.5	1.0	2.9	2.2	1.5	2.2	1.7	1.1	3.2	2.4	1.6
9.20	Strength	3.3	2.5	1.7	5.6	4.2	2.8	3.9	2.9	1.9	6.4	4.8	3.2	4.2	3.1	2.1	6.9	5.2	3.4	4.3	3.2	2.2	7.2	5.4	3.6
	L/360	1.4	1.0	0.7	2.0	1.5	1.0	1.6	1.2	0.8	2.3	1.7	1.1	1.7	1.3	0.9	2.6	1.9	1.3	2.0	1.5	1.0	2.8	2.1	1.4
9.60	Strength	3.1	2.3	1.5	5.1	3.8	2.6	3.6	2.7	1.8	5.9	4.4	3.0	3.8	2.9	1.9	6.3	4.7	3.2	4.0	3.0	2.0	6.6	4.9	3.3
	L/360	1.2	0.9	0.6	1.8	1.3	0.9	1.4	1.0	0.7	2.0	1.5	1.0	1.5	1.1	0.8	2.3	1.7	1.1	1.7	1.3	0.9	2.5	1.9	1.2
10.0	Strength	2.8	2.1	1.4	4.7	3.5	2.4	3.3	2.5	1.6	5.5	4.1	2.7	3.5	2.6	1.8	5.8	4.4	2.9	3.6	2.7	1.8	6.1	4.6	3.0
	L/360	1.1	0.8	0.5	1.6	1.2	0.8	1.2	0.9	0.6	1.8	1.3	0.9	1.4	1.0	0.7	2.0	1.5	1.0	1.5	1.1	0.8	2.2	1.6	1.1
10.4	Strength	2.6	2.0	1.3	4.4	3.3	2.2	3.0	2.3	1.5	5.0	3.8	2.5	3.3	2.4	1.6	5.4	4.0	2.7	3.4	2.5	1.7	5.6	4.2	2.8
	L/360	1.0	0.7	0.5	1.4	1.0	0.7	1.1	0.8	0.5	1.6	1.2	0.8	1.2	0.9	0.6	1.8	1.3	0.9	1.4	1.0	0.7	1.9	1.5	1.0
10.8	Strength	2.4	1.8	1.2	4.0	3.0	2.0	2.8	2.1	1.4	4.7	3.5	2.3	3.0	2.3	1.5	5.0	3.7	2.5	3.1	2.3	1.6	5.2	3.9	2.6
	L/360	0.9	0.6	0.4	1.2	0.9	0.6	1.0	0.7	0.5	1.4	1.1	0.7	1.1	0.8	0.5	1.6	1.2	0.8	1.2	0.9	0.6	1.7	1.3	0.9
11.2	Strength	2.3	1.7	1.1	3.8	2.8	1.9	2.6	2.0	1.4	4.3	3.3	2.2	2.8	2.1	1.4	4.6	3.5	2.3	2.9	2.2	1.5	4.8	3.6	2.4
	L/360	0.8	0.6	0.4	1.1	0.8	0.6	0.9	0.7	0.5	1.3	0.9	0.6	1.0	0.7	0.5	1.4	1.1	0.7	1.1	0.8	0.5	1.6	1.2	0.8
11.6	Strength	2.1	1.6	1.0	3.5	2.6	1.8	2.4	1.8	1.3	4.1	3.0	2.0	2.6	2.0	1.4	4.3	3.2	2.2	2.7	2.0	1.4	4.5	3.4	2.3
	L/360	0.7	0.5	0.3	1.0	0.8	0.5	0.8	0.6	0.4	1.1	0.9	0.6	0.9	0.7	0.5	1.3	1.0	0.6	1.0	0.7	0.5	1.4	1.1	0.7

NOTES:

- * Web stiffeners required at ends of members.
- 1) Values greater than 24 kPa and less than 0.5 kPa are not shown.
- 2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:
Deflection limit Factor
L/480 360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (kPa) with $K_{\phi} = 0$

Span (m)	Section Design Criteria	1400S162-68			1400S162-97			1400S200-68			1400S200-97			1400S250-68			1400S250-97			1400S300-68			1400S300-97		
		305	610	Spacing (mm)	305	610	Spacing (mm)	305	610	Spacing (mm)	305	610	Spacing (mm)	305	610	Spacing (mm)	305	610	Spacing (mm)	305	610	Spacing (mm)	305	610	Spacing (mm)
4.40	Strength L/360	16.4*	12.3*	8.2*	21.0*	14.0*	9.7*	14.6*	9.7*	16.3*	20.0*	15.0*	10.0*	17.5*	20.0*	15.0*	10.0*	17.5*	20.0*	15.0*	10.0*	17.5*	20.0*	15.0*	10.0*
	Strength L/360	18.1	13.6	9.1	20.1	13.4	10.2	20.5	15.4	15.1	22.5	16.9	11.3	15.1	22.5	16.9	11.3	15.1	22.5	16.9	11.3	15.1	22.5	16.9	11.3
4.80	Strength L/360	13.8*	10.3*	6.9*	23.6*	17.7*	11.8*	16.3*	12.3*	20.6*	13.7*	17.6*	13.2*	8.8*	22.1*	14.7*	13.8*	9.2*	23.2*	15.4*	14.0	20.9	14.0	20.9	14.0
	Strength L/360	14.0	10.5	7.0	20.6	15.5	10.3	15.8	11.8	17.4	11.6	17.4	13.0	8.7	17.4	11.6	17.4	13.0	17.4	11.6	17.4	13.0	17.4	11.6	17.4
5.20	Strength L/360	11.7*	8.8*	5.9*	20.1*	15.1*	10.0*	13.9*	10.4*	23.4*	17.5*	15.0*	11.3*	7.5*	18.8*	12.6*	15.7*	7.8*	19.7*	13.2*	13.2*	19.7*	13.2*	13.2*	19.7*
	Strength L/360	11.0	8.2	5.5	16.2	12.2	8.1	12.4	9.3	18.2	13.7	9.1	13.7	10.2	15.2	10.2	14.4	10.8	15.2	10.2	14.4	10.8	15.2	10.2	14.4
5.60	Strength L/360	10.1*	7.6*	5.1*	17.3*	13.0*	8.7*	12.0*	9.0*	20.1*	15.1*	10.1*	13.0*	6.5*	21.7*	16.2*	13.5*	6.8*	22.7*	17.0*	11.3*	17.0*	11.3*	17.0*	11.3*
	Strength L/360	8.8	6.6	4.4	13.0	9.8	6.5	9.9	7.5	14.6	11.0	7.3	10.9	5.5	16.3	12.2	8.1	11.6	17.6	13.2	8.8	17.6	13.2	8.8	17.6
6.00	Strength L/360	8.8*	6.6*	4.4*	15.1*	11.3*	7.5*	10.5*	7.8*	17.5*	13.2*	8.8*	11.3*	8.5*	18.9*	14.1*	11.8*	8.8*	19.8*	14.8*	9.9*	19.8*	14.8*	9.9*	19.8*
	Strength L/360	7.2	5.4	3.6	10.6	7.9	5.3	8.1	6.1	11.9	8.9	5.9	8.9	6.7	13.2	9.9	6.6	9.4	14.3	10.7	7.1	14.3	10.7	7.1	14.3
6.40	Strength L/360	7.7*	5.8*	3.9*	13.2	9.9	6.6	9.2*	6.9*	15.4*	11.6*	7.7*	9.9*	7.4*	16.6*	12.4*	10.4*	7.8*	17.4*	13.0*	8.7*	17.4*	13.0*	8.7*	17.4*
	Strength L/360	5.9	4.4	2.9	8.7	6.5	4.4	6.7	5.0	10.3	7.3	4.9	7.3	5.5	10.9	8.2	5.4	7.7	11.8	8.8	5.9	11.8	8.8	5.9	11.8
6.80	Strength L/360	6.9*	5.1*	3.4*	11.7	8.8	5.9	8.1*	6.1*	13.7*	10.2*	6.8*	8.8*	6.6*	14.7*	11.0*	7.3*	6.9*	15.4*	11.5*	7.7*	15.4*	11.5*	7.7*	15.4*
	Strength L/360	4.9	3.7	2.5	7.3	5.4	3.6	5.5	4.2	8.2	6.1	4.1	6.1	4.6	9.1	6.8	4.8	6.5	9.8	7.4	4.9	9.8	7.4	4.9	9.8
7.20	Strength L/360	6.1	4.6	3.1	10.5	7.9	5.2	7.3*	5.4*	12.2	9.1	6.1	7.8*	5.9*	13.1*	9.8*	8.2*	6.1*	13.7*	10.3*	6.9*	13.7*	10.3*	6.9*	13.7*
	Strength L/360	4.1	3.1	2.1	6.1	4.6	3.1	4.7	3.5	6.9	5.2	3.4	5.1	3.9	7.7	5.7	3.8	5.4	8.3	6.2	4.1	8.3	6.2	4.1	8.3
7.60	Strength L/360	5.5	4.1	2.7	9.4	7.0	4.7	6.5*	4.9*	10.9	8.2	5.5	7.0*	5.3*	11.8*	8.8*	7.3*	5.5*	12.3*	9.2*	6.2*	12.3*	9.2*	6.2*	12.3*
	Strength L/360	3.5	2.6	1.8	5.2	3.9	2.6	4.0	3.0	5.8	4.4	2.9	4.4	3.3	6.5	4.9	3.3	4.6	7.3	5.3	3.5	7.3	5.3	3.5	7.3
8.00	Strength L/360	5.0	3.7	2.5	8.5	6.4	4.2	5.9*	4.4*	9.9	7.4	4.9	6.3*	4.8*	10.6	8.0	5.3	6.6*	11.1*	8.3*	5.6*	11.1*	8.3*	5.6*	11.1*
	Strength L/360	3.0	2.3	1.5	4.5	3.3	2.2	3.4	2.6	1.7	5.0	3.8	2.5	3.8	2.8	1.9	5.6	4.2	6.0	4.5	3.0	6.0	4.5	3.0	6.0
8.40	Strength L/360	4.5	3.4	2.2	7.7	5.8	3.8	5.3	4.0	2.7	9.0	6.7	4.5	5.8*	9.6	7.2	4.8	6.0*	10.1	7.6	5.0	10.1	7.6	5.0	10.1
	Strength L/360	2.6	2.0	1.3	3.9	2.9	1.9	2.9	2.2	1.5	4.3	3.2	2.2	2.4	1.6	4.6	3.6	2.4	5.2	3.9	2.6	5.2	3.9	2.6	5.2
8.80	Strength L/360	4.1	3.1	2.0	7.0	5.3	3.5	4.9	3.6	2.4	8.2	6.1	4.1	5.2*	8.8	6.6	4.4	5.5*	9.2	6.9	4.6	9.2	6.9	4.6	9.2
	Strength L/360	2.3	1.7	1.1	3.4	2.5	1.7	2.6	1.9	1.3	3.8	2.8	1.9	2.8	2.1	1.4	4.2	3.1	2.1	1.5	4.5	3.4	2.3	4.5	
9.20	Strength L/360	3.7	2.8	1.9	6.4	4.8	3.2	4.4	3.3	2.2	7.5	5.6	3.7	4.8	3.6	2.4	8.0	6.0	4.5	3.0	4.5	3.0	4.5	3.0	4.5
	Strength L/360	2.0	1.5	1.0	2.9	2.2	1.5	2.2	1.7	1.1	3.3	2.5	1.6	2.5	1.8	1.2	3.7	2.8	2.0	1.3	4.0	3.0	2.0	4.0	
9.60	Strength L/360	3.4	2.6	1.7	5.9	4.4	2.9	4.1	3.1	2.0	6.9	5.1	3.4	4.4	3.3	2.2	7.4	5.5	3.7	2.6	4.6	3.5	2.3	4.6	
	Strength L/360	1.7	1.3	0.9	2.6	1.9	1.3	2.0	1.5	1.0	2.9	2.2	1.4	2.2	1.6	1.1	3.2	2.4	1.6	1.1	2.3	1.7	1.1	2.3	
10.0	Strength L/360	3.2	2.4	1.6	5.4	4.1	2.7	3.8	2.8	1.9	6.3	4.7	3.2	4.1	3.0	2.0	6.8	5.1	3.4	2.2	4.2	3.2	2.1	4.2	
	Strength L/360	1.5	1.2	0.8	2.3	1.7	1.1	1.7	1.3	0.9	2.6	1.9	1.3	1.9	1.4	1.0	2.9	2.1	1.4	1.0	1.5	1.0	0.7	1.5	
10.4	Strength L/360	2.9	2.2	1.5	5.0	3.8	2.5	3.5	2.6	1.7	5.8	4.4	2.9	3.8	2.8	1.9	6.3	4.7	3.1	2.5	3.9	2.9	2.0	3.9	
	Strength L/360	1.4	1.0	0.7	2.0	1.5	1.0	1.6	1.2	0.8	2.3	1.7	1.1	1.7	1.3	0.9	2.5	1.9	1.3	1.8	1.4	0.9	2.7	2.1	
10.8	Strength L/360	2.7	2.0	1.4	4.7	3.5	2.3	3.2	2.4	1.6	5.4	4.1	2.7	3.5	2.6	1.7	5.8	4.4	2.9	3.6	2.7	1.8	6.1	4.6	
	Strength L/360	1.2	0.9	0.6	1.8	1.4	0.9	1.4	1.0	0.7	2.0	1.5	1.0	1.5	1.1	0.8	2.3	1.7	1.1	1.6	1.2	0.8	2.5	1.8	
11.2	Strength L/360	2.5	1.9	1.3	4.3	3.2	2.2	3.0	2.3	1.5	5.0	3.8	2.5	3.2	2.4	1.6	5.4	4.1	2.7	3.4	2.5	1.7	5.7	4.3	
	Strength L/360	1.1	0.8	0.5	1.6	1.2	0.8	1.2	0.9	0.6	1.8	1.4	0.9	1.4	1.0	0.7	2.0	1.5	1.0	1.4	1.1	0.7	2.2	1.6	
11.6	Strength L/360	2.4	1.8	1.2	4.0	3.0	2.0	2.8	2.1	1.4	4.7	3.5	2.3	3.0	2.3	1.5	5.0	3.8	2.5	3.2	2.4	1.6	5.3	4.0	
	Strength L/360	1.0	0.7	0.5	1.5	1.1	0.7	1.1	0.8	0.6	1.6	1.2	0.8	1.2	0.9	0.6	1.8	1.4	0.9	1.3	1.0	0.6	2.0	1.5	
12.0	Strength L/360	2.2	1.7	1.1	3.8	2.8	1.9	2.6	2.0	1.3	4.4	3.3	2.2	2.8	2.1	1.4	4.7	3.5	2.4	2.9	2.2	1.5	4.9	3.7	
	Strength L/360	0.9	0.7	0.5	1.3	1.0	0.7	1.0	0.8	0.5	1.5	1.1	0.7	1.1	0.8	0.6	1.7	1.2	0.8	1.2	0.9	0.6	1.8	1.3	
12.4	Strength L/360	2.1	1.5	1.0	3.5	2.6	1.8	2.4	1.8	1.1	4.1	3.1	2.1	2.6	2.0	1.3	4.4	3.3	2.2	2.8	2.1	1.4	4.6	3.5	
	Strength L/360	0.8	0.6	0.4	1.2	0.9	0.6	0.9	0.7	0.5	1.3	1.0	0.7	1.0	0.8	0.5	1.5	1.1	0.7	1.1	0.8	0.5	1.6	1.2	

NOTES:

- * Web stiffeners required at ends of members.
- 1) Values greater than 24 kPa and less than 0.5 kPa are not shown.
- 2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:
 Deflection limit Factor
 L/480 360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (kPa) with $K_{\phi} = 0$

Span (m)	Section Design Criteria	Strength - Factored Loads						L/360 - Specified Loads																	
		800S162-43		800S162-54		800S162-68		800S162-97		800S200-43		800S200-54		800S200-68		800S200-97									
		305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610						
2.40	Strength L/360	13.6*	10.2*	6.8*	18.2*	12.1*	16.6*		15.7*	11.8*	7.9*	20.9*	13.9*			19.0*									
		19.2	14.4	9.6	17.9	11.9	15.1		22.7	17.0	11.3		21.1	14.1		17.4									
2.80	Strength L/360	10.0*	7.5*	5.0*	13.4*	8.9*	12.2*		11.5*	8.7*	5.8*	15.3*	10.2*		20.9*					22.1*					
		12.1	9.1	6	11.3	7.5	9.5		14.3	10.7	7.1	17.7	13.3	8.9		16.4				15.1					
3.20	Strength L/360	7.7*	5.8*	3.8*	13.6*	10.2*	9.3*		8.8*	6.6*	4.4*	15.7*	11.7*		21.4*					16.9*					
		8.1	6.1	4.0	10.7	7.5	12.7		9.6	7.2	4.8	11.9	8.9	5.9		14.7				10.1					
3.60	Strength L/360	6.1	4.5	3.0	10.8*	8.1*	7.4*		7.0*	5.2*	3.5*	12.4*	9.3*		16.9*					13.4*					
		5.7	4.3	2.8	7.1	5.3	8.9	6.7	4.5	12.3	9.2	6.2	8.3	6.2	4.2	10.3	7.7	5.2		20.1*					
4.00	Strength L/360	4.9	3.7	2.5	8.7*	6.5*	4.4*		14.3	9.5	5.7*	10.0*	7.5*		13.7*					10.8					
		4.1	3.1	2.1	5.1	3.9	2.6	6.5	4.9	3.3	2.4	6.1	4.6	3.0	7.5	5.6	3.8	10.4	7.8	5.2					
4.40	Strength L/360	4.1	3.0	2.0	7.2	5.4	3.6		15.8	11.8	7.9	4.7	3.5		11.3					9.0					
		3.1	2.3	1.6	3.9	2.9	1.9	4.9	3.7	2.4	1.8	4.6	3.4	2.3	5.7	4.2	2.8	7.8	5.8	3.9					
4.80	Strength L/360	3.4	2.6	1.7	6.1	4.5	3.0		13.3	9.9	6.6	3.9	2.9		9.5					7.5					
		2.4	1.8	1.2	3.0	2.2	1.5	3.8	2.8	1.9	1.4	5.2	3.9	2.6	2.8	4.4	3.3	2.2	6.0	4.5	3.0				
5.20	Strength L/360	2.9	2.2	1.5	5.2	3.9	2.6		11.3	8.5	5.6	3.3	2.5		3.0					6.4					
		1.9	1.4	0.9	2.3	1.8	1.2	3.0	2.2	1.5	1.1	4.1	3.1	2.0	2.2	1.7	1.1	2.8	2.1	4.7	3.5	2.4			
5.60	Strength L/360	2.5	1.9	1.3	4.5	3.3	2.2		9.7	7.3	4.9	2.9	2.2		3.8					5.5					
		1.5	1.1	0.8	1.9	1.4	0.9	2.4	1.8	1.2	0.9	2.5	1.6	1.8	1.3	0.9	2.2	1.7	1.1	2.7	2.1	1.4	3.8	2.8	1.9
6.00	Strength L/360	2.2	1.6	1.1	3.9	2.9	1.9		8.5	6.4	4.2	2.5	1.9		3.3					4.8					
		1.2	0.9	0.6	1.5	1.1	0.8	1.9	1.4	1.0	0.7	2.0	1.3	1.5	1.1	0.7	1.8	1.3	0.9	2.2	1.7	1.1	3.1	2.3	1.5
6.40	Strength L/360	1.9	1.4	1.0	3.4	2.6	1.7		7.5	5.6	3.7	2.2	1.7		2.9					4.2					
		1.0	0.8	0.5	1.3	0.9	0.6	1.6	1.2	0.8	2.2	1.6	1.1	1.2	0.9	0.6	1.5	1.1	0.7	1.8	1.4	0.9	2.5	1.9	1.3
6.80	Strength L/360	1.7	1.3		3.0	2.3	1.5		6.6	5.0	3.3	2.0	1.5		2.6					3.8					
		0.8	0.6		1.0	0.8	0.5	1.3	1.0	0.7	1.8	1.4	0.9	1.0	0.7	0.5	1.2	0.9	0.6	1.5	1.1	0.8	2.1	1.6	1.1
7.20	Strength L/360	1.5	1.1		2.7	2.0			5.9	4.4	2.9	1.7	1.3		2.3					3.3					
		0.7	0.5		0.9	0.7	1.1	0.8	0.6	1.5	1.2	0.8	0.8	0.6	0.6	0.5	1.3	1.0	0.8	0.5	1.3	1.0	0.6	1.8	1.3
7.60	Strength L/360	1.4			2.4	1.8			5.3	4.0	2.6	1.6	1.2		2.8					3.0					
		0.6			0.8	0.6	1.0	0.7	1.3	1.0	0.7	0.7	0.5		0.9	0.7	0.7	0.5	1.1	0.8	0.5	1.5	1.1	0.8	2.1
8.00	Strength L/360	1.2			2.2	1.6			4.8	3.6	2.4	1.4			2.5					4.1					
		0.5			0.6	0.5	0.8	0.6	1.1	0.8	0.6	0.6	0.6		0.8	0.6	0.6	0.6	0.9	0.7	1.3	1.0	0.6	4.9	3.7
8.40	Strength L/360				2.0				4.3	3.2	2.2	1.3			2.3					3.7					
					0.6		0.7	0.5	1.0	0.7	0.5	0.5			0.7	0.5	0.7	0.5	0.8	0.6	1.1	0.8	0.6	4.9	3.7
8.80	Strength L/360				1.8				3.9	3.0					2.1					3.4					
					0.5		0.6		0.8	0.6					0.6					2.8	2.1	4.5	3.4	2.2	4.5
9.20	Strength L/360								3.6	2.7					1.9					2.6					
							0.5		0.7	0.6					0.5					0.6	0.6	4.1	3.1	0.9	0.6

NOTES:

- * Web stiffeners required at ends of members.
- 1) Values greater than 24 kPa and less than 0.5 kPa are not shown.
- 2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:
Factor
L/480 360/480 = 0.75

Header Load Tables

Table Notes

- 1 Values are for unpunched members and are given in kilonewtons per metre.
- 2 Headers are made from two "boxed" or "back-to-back" C-section members.
- 3 Factored moment, shear and web crippling resistances are based on twice the resistance of a single member. The moment of inertia for deflection is based on twice the value of a single member.
- 4 Web crippling check is based on 25 mm of bearing at end supports.
- 5 Members are assumed to be adequately braced for bending.
- 6 Header loads are for simply supported members subjected to uniform bending loads only.



Back-to-Back Header



Boxed Header

UNIFORM DISTRIBUTED HEADER LOADS (kN/m)

Strength - Factored Loads L/360 - Specified Loads

Section	Design Criteria	F _y (MPa)	Span (m)													
			1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.6	6.0	
600S162-33	Strength	230	11.93e	8.95e	6.40e	4.44e	3.27e	2.50e	1.98e	1.60e	1.32e	1.11e	0.95e	0.82e	0.71e	
	L/360		36.9	15.6	7.97	4.61	2.91	1.95	1.37	1.00	0.75	0.58	0.45	0.36	0.30	
600S162-43	Strength	230	25.48e	14.33e	9.17e	6.37e	4.68e	3.58e	2.83e	2.29e	1.90e	1.59e	1.36e	1.17e	1.02e	
	L/360		47.7	20.1	10.3	5.96	3.75	2.51	1.77	1.29	0.97	0.75	0.59	0.47	0.38	
600S162-54	Strength	345	45.53e	25.61e	16.39e	11.38e	8.36e	6.40e	5.06e	4.10e	3.39e	2.85	2.42	2.09	1.82	
	L/360		58.9	24.9	12.7	7.36	4.64	3.11	2.18	1.59	1.19	0.92	0.72	0.58	0.47	
600S162-68	Strength	345	61.57e	34.64e	22.16e	15.39e	11.31e	8.66e	6.84e	5.54e	4.58	3.85	3.28	2.83	2.46	
	L/360		72.6	30.6	15.7	9.07	5.71	3.83	2.69	1.96	1.47	1.13	0.89	0.71	0.58	
600S162-97	Strength	345	107.03e	60.21e	38.53e	26.76e	19.66e	15.05e	11.89e	9.63	7.96	6.69	5.70	4.91	4.28	
	L/360		98.8	41.7	21.3	12.4	7.78	5.21	3.66	2.67	2.00	1.54	1.21	0.97	0.79	
600S200-33	Strength	230	11.93e	8.95e	7.16e	5.05e	3.71e	2.84e	2.25e	1.82e	1.50e	1.26e	1.08e	0.93e	0.81e	
	L/360		42.0	17.7	9.08	5.25	3.31	2.22	1.56	1.14	0.85	0.66	0.52	0.41	0.34	
600S200-43	Strength	230	26.46e	16.26e	10.41e	7.23e	5.31e	4.07e	3.21e	2.60e	2.15e	1.81e	1.54e	1.33e	1.16e	
	L/360		55.3	23.3	11.9	6.91	4.35	2.91	2.05	1.49	1.12	0.86	0.68	0.54	0.44	
600S200-54	Strength	345	51.44e	28.94e	18.52e	12.86e	9.45e	7.23e	5.72e	4.63e	3.83e	3.21e	2.74e	2.36	2.06	
	L/360		68.4	28.8	14.8	8.54	5.38	3.60	2.53	1.85	1.39	1.07	0.84	0.67	0.55	
600S200-68	Strength	345	69.53e	39.11e	25.03e	17.38e	12.77e	9.78e	7.73e	6.26e	5.17e	4.35	3.70	3.19	2.78	
	L/360		84.4	35.6	18.2	10.6	6.65	4.45	3.13	2.28	1.71	1.32	1.04	0.83	0.68	
600S200-97	Strength	345	121.76e	68.50e	43.83e	30.44e	22.37e	17.12e	13.53e	10.96e	9.06	7.61	6.48	5.59	4.87	
	L/360		116	48.8	25.0	14.5	9.10	6.09	4.28	3.12	2.34	1.81	1.42	1.14	0.92	
600S250-33	Strength	230	11.93e	8.95e	7.16e	5.29e	3.89e	2.97e	2.35e	1.90e	1.57e	1.32e	1.13e	0.97e	0.85e	
	L/360		46.5	19.6	10.0	5.81	3.66	2.45	1.72	1.26	0.94	0.73	0.57	0.46	0.37	
600S250-43	Strength	230	26.46e	17.12e	10.98e	7.61e	5.59e	4.28e	3.38e	2.74e	2.26e	1.90e	1.62e	1.40e	1.22e	
	L/360		63.0	26.6	13.6	7.87	4.96	3.32	2.33	1.70	1.28	0.98	0.77	0.62	0.50	
600S250-54	Strength	345	52.77e	30.33e	19.41e	13.48e	9.90e	7.58e	5.99e	4.85e	4.01e	3.37e	2.87e	2.48	2.16	
	L/360		75.2	31.7	16.2	9.40	5.92	3.97	2.79	2.03	1.53	1.18	0.92	0.74	0.60	
600S250-68	Strength	345	73.40e	41.29e	26.42e	18.35e	13.48e	10.32e	8.16e	6.61e	5.46e	4.59e	3.91	3.37	2.94	
	L/360		96.0	40.5	20.7	12.0	7.56	5.06	3.56	2.59	1.95	1.50	1.18	0.94	0.77	
600S250-97	Strength	345	115.76e	65.13e	41.67e	28.94e	21.26e	16.28e	12.86e	10.42e	8.61	7.24	6.17	5.32	4.63	
	L/360		134	56.5	28.9	16.7	10.5	7.05	4.96	3.61	2.71	2.09	1.64	1.32	1.07	
600S200-33	Strength	230	11.93e	8.95e	7.16e	5.45e	4.00e	3.06e	2.42e	1.96e	1.62e	1.36e	1.16e	1.00e	0.87e	
	L/360		50.3	21.2	10.9	6.29	3.96	2.65	1.86	1.36	1.02	0.79	0.62	0.49	0.40	
600S300-43	Strength	230	26.46e	17.72e	11.34e	7.88e	5.79e	4.43e	3.50e	2.84e	2.34e	1.97e	1.68e	1.45e	1.26e	
	L/360		67.8	28.6	14.6	8.47	5.34	3.57	2.51	1.83	1.38	1.06	0.83	0.67	0.54	
600S300-54	Strength	345	52.77e	31.28e	20.02e	13.90e	10.21e	7.82e	6.18e	5.01e	4.14e	3.48e	2.96e	2.55e	2.22	
	L/360		81.0	34.2	17.5	10.1	6.37	4.27	3.00	2.19	1.64	1.26	0.99	0.80	0.65	
600S300-68	Strength	345	76.11e	42.82e	27.40e	19.03e	13.98e	10.70e	8.46e	6.85e	5.66e	4.76e	4.05	3.49	3.04	
	L/360		104	43.9	22.5	13.0	8.19	5.48	3.85	2.81	2.11	1.63	1.28	1.02	0.83	
600S300-97	Strength	345	121.54e	68.38e	43.75e	30.39e	22.33e	17.09e	13.50e	10.94e	9.04	7.60	6.47	5.58	4.86	
	L/360		149	63.0	32.2	18.7	11.8	7.87	5.53	4.03	3.03	2.33	1.83	1.47	1.19	

NOTE: "e" web stiffeners required at ends.

UNIFORM DISTRIBUTED HEADER LOADS (kN/m)

Strength - Factored Loads

L/360 - Specified Loads

Section	Design Criteria	F _y (MPa)	Span (m)															
			1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.6	6.0			
800S162-43	Strength	230	19.65e	14.74e	11.79e	8.61e	6.32e	4.84e	3.83e	3.10e	2.56e	2.15e	1.83e	1.58e	1.38e			
	L/360		92.3	38.9	19.9	11.5	7.26	4.86	3.42	2.49	1.87	1.44	1.13	0.91	0.74			
800S162-54	Strength	345	39.09e	29.32e	22.19e	15.41e	11.32e	8.67e	6.85e	5.55e	4.58e	3.85e	3.28e	2.83e	2.47e			
	L/360		115	48.4	24.8	14.3	9.02	6.04	4.24	3.09	2.32	1.79	1.41	1.13	0.92			
800S162-68	Strength	345	78.90e	47.70e	30.52e	21.20e	15.57e	11.92e	9.42e	7.63e	6.31e	5.30e	4.52e	3.89e	3.39			
	L/360		145	61.2	31.3	18.1	11.4	7.65	5.38	3.92	2.94	2.27	1.78	1.43	1.16			
800S162-97	Strength	345	135.34e	76.14e	48.72e	33.84e	24.86e	19.03e	15.04e	12.18e	10.07e	8.46e	7.21	6.21	5.41			
	L/360		200	84.4	43.2	25.0	15.8	10.6	7.41	5.40	4.06	3.13	2.46	1.97	1.60			
800S200-43	Strength	230	19.65e	14.74e	11.79e	9.83e	7.24e	5.54e	4.38e	3.55e	2.93e	2.46e	2.10e	1.81e	1.58e			
	L/360		109	46.1	23.6	13.7	8.60	5.76	4.04	2.95	2.21	1.71	1.34	1.07	0.87			
800S200-54	Strength	345	39.09e	29.32e	23.46e	17.55e	12.89e	9.87e	7.80e	6.32e	5.22e	4.39e	3.74e	3.22e	2.81e			
	L/360		135	57.1	29.2	16.9	10.7	7.14	5.01	3.65	2.75	2.11	1.66	1.33	1.08			
800S200-68	Strength	345	78.90e	54.04e	34.57e	24.01e	17.64e	13.51e	10.67e	8.65e	7.14e	6.00e	5.12e	4.41e	3.84e			
	L/360		168	70.7	36.2	21.0	13.2	8.84	6.21	4.53	3.40	2.62	2.06	1.65	1.34			
800S200-97	Strength	345	152.63e	85.87e	54.94e	38.16e	28.04e	21.46e	16.96e	13.74e	11.35e	9.54e	8.13e	7.01	6.11			
	L/360		231	97.4	49.8	28.8	18.2	12.2	8.54	6.23	4.68	3.60	2.84	2.27	1.85			
800S250-43	Strength	230	19.65e	14.74e	11.79e	9.83e	7.61e	5.82e	4.60e	3.73e	3.08e	2.59e	2.21e	1.90e	1.66e			
	L/360		123	51.9	26.6	15.4	9.68	6.48	4.55	3.32	2.49	1.92	1.51	1.21	0.98			
800S250-54	Strength	345	39.09e	29.32e	23.46e	18.37e	13.50e	10.33e	8.16e	6.61e	5.46e	4.59e	3.91e	3.37e	2.94e			
	L/360		147	62.2	31.8	18.4	11.6	7.77	5.45	3.98	2.99	2.30	1.81	1.45	1.18			
800S250-68	Strength	345	78.90e	56.80e	36.35e	25.24e	18.55e	14.20e	11.22e	9.09e	7.51e	6.31e	5.38e	4.64e	4.04e			
	L/360		188	79.3	40.6	23.5	14.8	9.92	6.96	5.08	3.81	2.94	2.31	1.85	1.50			
800S250-97	Strength	345	162.26e	91.28e	58.41e	40.57e	29.81e	22.82e	18.03e	14.60e	12.07e	10.14e	8.64e	7.45e	6.49			
	L/360		263	111	56.9	32.9	20.7	13.9	9.75	7.11	5.34	4.12	3.24	2.59	2.11			
800S300-43	Strength	230	19.65e	14.74e	11.79e	9.83e	7.84e	6.00e	4.74e	3.84e	3.18e	2.67e	2.27e	1.96e	1.71e			
	L/360		132	55.5	28.4	16.4	10.4	7.33	5.17	3.84	2.94	2.27	1.78	1.43	1.16			
800S300-54	Strength	345	39.09e	29.32e	23.46e	18.88e	13.87e	10.62e	8.39e	6.80e	5.62e	4.72e	4.02e	3.47e	3.02e			
	L/360		158	66.5	34.0	19.7	12.4	8.31	5.84	4.25	3.20	2.46	1.94	1.55	1.26			
800S300-68	Strength	345	78.90e	58.60e	37.49e	26.04e	19.13e	14.65e	11.57e	9.37e	7.75e	6.51e	5.55e	4.78e	4.17e			
	L/360		202	85.3	43.7	25.3	15.9	10.7	7.49	5.46	4.10	3.16	2.49	1.99	1.62			
800S300-97	Strength	345	168.91e	95.02e	60.80e	42.23e	31.03e	23.75e	18.77e	15.20e	12.56e	10.56e	9.00e	7.76e	6.76e			
	L/360		291	123	62.8	36.3	22.9	15.3	10.8	7.85	5.89	4.54	3.57	2.86	2.32			

NOTE: "e" web stiffeners required at ends.

UNIFORM DISTRIBUTED HEADER LOADS (kN/m)

Strength - Factored Loads

L/360 - Specified Loads

Section	Design Criteria	F _y (MPa)	Span (m)													
			1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.6	6.0	
1000S162-54	Strength	345	31.05e	23.29e	18.63e	15.52e	13.31e	10.66e	8.42e	6.82e	5.64e	4.74e	4.04e	3.48e	3.03e	
	L/360		192	80.8	41.4	23.9	15.1	10.1	7.09	5.17	3.89	2.99	2.35	1.88	1.53	
1000S162-68	Strength	345	62.54e	46.91e	37.52e	26.47e	19.45e	14.89e	11.77e	9.53e	7.88e	6.62e	5.64e	4.86e	4.24e	
	L/360		245	103	53.0	30.7	19.3	12.9	9.08	6.62	4.97	3.83	3.01	2.41	1.96	
1000S162-97	Strength	345	174.06e	97.92e	62.65e	43.51e	31.97e	24.48e	19.34e	15.67e	12.95e	10.88e	9.27e	7.99e	6.96e	
	L/360		349	147	75.5	43.7	27.5	18.4	12.9	9.43	7.09	5.46	4.29	3.44	2.80	
1000S200-54	Strength	345	31.05e	23.29e	18.63e	15.52e	13.31e	11.64e	9.73e	7.88e	6.51e	5.47e	4.66e	4.02e	3.50e	
	L/360		219	92.5	47.3	27.4	17.3	11.6	8.12	5.92	4.45	3.42	2.69	2.16	1.75	
1000S200-68	Strength	345	62.54e	46.91e	37.52e	30.29e	22.26e	17.04e	13.46e	10.91e	9.01e	7.57e	6.45e	5.56e	4.85e	
	L/360		280	118	60.4	35.0	22.0	14.8	10.4	7.55	5.67	4.37	3.44	2.75	2.24	
1000S200-97	Strength	345	184.39e	110.78e	70.88e	49.23e	36.17e	27.69e	21.88e	17.72e	14.65e	12.31e	10.49e	9.04e	7.88e	
	L/360		398	168	86.0	49.8	31.4	21.0	14.8	10.8	8.08	6.22	4.89	3.92	3.19	
1000S250-54	Strength	345	31.05e	23.29e	18.63e	15.52e	13.31e	11.64e	10.26e	8.31e	6.87e	5.77e	4.92e	4.24e	3.69e	
	L/360		251	106	54.1	31.3	19.7	13.2	9.28	6.77	5.08	3.92	3.08	2.47	2.01	
1000S250-68	Strength	345	62.54e	46.91e	37.52e	31.27e	23.50e	17.99e	14.22e	11.52e	9.52e	8.00e	6.81e	5.88e	5.12e	
	L/360		320	135	69.1	40.0	25.2	16.9	11.9	8.64	6.49	5.00	3.93	3.15	2.56	
1000S250-97	Strength	345	184.39e	117.64e	75.27e	52.28e	38.41e	29.40e	23.23e	18.82e	15.55e	13.07e	11.14e	9.60e	8.36e	
	L/360		449	190	97.1	56.2	35.4	23.7	16.7	12.1	9.12	7.02	5.52	4.42	3.60	
1000S300-54	Strength	345	31.05e	23.29e	18.63e	15.52e	13.31e	11.64e	10.35e	8.56e	7.08e	5.95e	5.07e	4.37e	3.81e	
	L/360		263	111	56.8	32.9	20.7	13.9	9.74	7.10	5.33	4.11	3.23	2.59	2.10	
1000S300-68	Strength	345	62.54e	46.91e	37.52e	31.27e	24.28e	18.59e	14.69e	11.90e	9.83e	8.26e	7.04e	6.07e	5.29e	
	L/360		342	144	73.9	42.8	26.9	18.0	12.7	9.23	6.94	5.34	4.20	3.36	2.74	
1000S300-97	Strength	345	184.39e	122.22e	78.20e	54.31e	39.91e	30.55e	24.14e	19.55e	16.16e	13.58e	11.57e	9.98e	8.69e	
	L/360		492	208	106	61.5	38.7	25.9	18.2	13.3	9.97	7.68	6.04	4.84	3.93	

NOTE: "e" web stiffeners required at ends.

UNIFORM DISTRIBUTED HEADER LOADS (kN/m)

Strength - Factored Loads L/360 - Specified Loads

Section	Design Criteria	F _y (MPa)	Span (m)													
			1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.6	6.0	
1200S162-68	Strength	345	51.80e	38.85e	31.08e	25.90e	22.20e	17.47e	13.80e	11.18e	9.24e	7.77e	6.62e	5.70e	4.97e	
	L/360		376	158	81.1	46.9	29.6	19.8	13.9	10.1	7.62	5.87	4.62	3.69	3.00	
1200S162-97	Strength	345	152.30e	114.23e	75.32e	52.31e	38.43e	29.42e	23.25e	18.83e	15.56e	13.08e	11.14e	9.61e	8.37e	
	L/360		548	231	118	68.4	43.1	28.9	20.3	14.8	11.1	8.56	6.73	5.39	4.38	
1200S200-68	Strength	345	51.80e	38.85e	31.08e	25.90e	22.20e	19.42e	15.98e	12.94e	10.69e	8.99e	7.66e	6.60e	5.75e	
	L/360		426	180	92.0	53.3	33.5	22.5	15.8	11.5	8.64	6.66	5.24	4.19	3.41	
1200S200-97	Strength	345	152.30e	114.23e	85.84e	59.62e	43.80e	33.53e	26.50e	21.46e	17.74e	14.90e	12.70e	10.95e	9.54e	
	L/360		619	261	134	77.3	48.7	32.6	22.9	16.7	12.6	9.67	7.60	6.09	4.95	
1200S250-68	Strength	345	51.80e	38.85e	31.08e	25.90e	22.20e	19.42e	17.02e	13.79e	11.40e	9.58e	8.16e	7.04e	6.13e	
	L/360		470.6	198.6	101.6	58.8	37.1	24.8	17.4	12.7	9.55	7.35	5.78	4.63	3.76	
1200S250-97	Strength	345	152.30e	114.23e	91.38e	63.60e	46.73e	35.77e	28.27e	22.90e	18.92e	15.90e	13.55e	11.68e	10.18e	
	L/360		693	292	150	86.61	54.6	36.5	25.7	18.7	14.1	10.8	8.52	6.82	5.54	
1200S300-68	Strength	345	51.80e	38.85e	31.08e	25.90e	22.20e	19.42e	17.27e	14.33e	11.84e	9.95e	8.48e	7.31e	6.37e	
	L/360		529	223	114	66.2	41.7	27.9	19.6	14.3	10.7	8.27	6.50	5.21	4.23	
1200S300-97	Strength	345	152.30e	114.23e	91.38e	66.25e	48.68e	37.27e	29.45e	23.85e	19.71e	16.56e	14.11e	12.17e	10.60e	
	L/360		761	321	164	95.1	59.9	40.1	28.2	20.6	15.4	11.9	9.35	7.49	6.09	

NOTE: "e" web stiffeners required at ends.

UNIFORM DISTRIBUTED HEADER LOADS (kN/m)

Strength - Factored Loads L/360 - Specified Loads

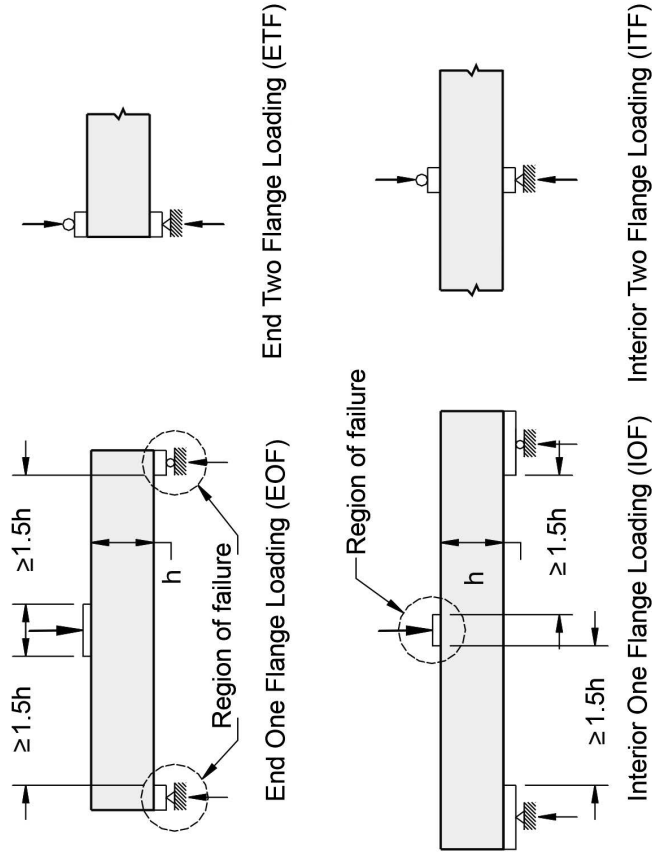
Section	Design Criteria	F _y (MPa)	Span (m)													
			1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.6	6.0	
1400S162-68	Strength	345	44.20e	33.16e	26.52e	22.10e	18.95e	16.58e	14.73e	12.60e	10.41e	8.75e	7.46e	6.43e	5.60e	
	L/360		537	227	116	67.2	42.3	28.3	19.9	14.5	10.9	8.40	6.60	5.29	4.30	
1400S162-97	Strength	345	129.72e	97.30e	77.83e	60.12e	44.17e	33.81e	26.72e	21.64e	17.89e	15.03e	12.81e	11.04e	9.62e	
	L/360		794	335	172	99.3	62.5	41.9	29.4	21.5	16.1	12.4	9.76	7.82	6.35	
1400S200-68	Strength	345	44.20e	33.16e	26.52e	22.10e	18.95e	16.58e	14.73e	13.26e	12.06e	10.22e	8.71e	7.51e	6.54e	
	L/360		607	256	131	75.9	47.8	32.0	22.5	16.4	12.3	9.49	7.46	5.97	4.86	
1400S200-97	Strength	345	129.72e	97.30e	77.83e	64.86e	50.73e	38.84e	30.69e	24.86e	20.54e	17.26e	14.71e	12.68e	11.05e	
	L/360		892	376	193	112	70.2	47.1	33.1	24.1	18.1	13.9	11.0	8.78	7.14	
1400S250-68	Strength	345	44.20e	33.16e	26.52e	22.10e	18.95e	16.58e	14.73e	13.26e	12.06e	11.01e	9.38e	8.09e	7.04e	
	L/360		667	282	144	83.4	52.5	35.2	24.7	18.0	13.5	10.4	8.20	6.57	5.34	
1400S250-97	Strength	345	129.72e	97.30e	77.83e	64.86e	54.51e	41.73e	32.97e	26.71e	22.07e	18.55e	15.80e	13.63e	11.87e	
	L/360		994	419	215	124	78.23	52.4	36.8	26.8	20.2	15.5	12.2	9.78	7.95	
1400S300-68	Strength	345	44.20e	33.16e	26.52e	22.10e	18.95e	16.58e	14.73e	13.26e	12.06e	11.05e	9.82e	8.47e	7.38e	
	L/360		704	297	152	88.0	55.4	37.1	26.1	19.0	14.3	11.0	8.66	6.93	5.63	
1400S300-97	Strength	345	129.72e	97.30e	77.83e	64.86e	55.60e	43.71e	34.54e	27.97e	23.12e	19.43e	16.55e	14.27e	12.43e	
	L/360		1074	453	232	134	84.5	56.6	39.8	29.0	21.8	16.8	13.2	10.6	8.59	

NOTE: "e" web stiffeners required at ends.

Web Crippling Data

Table Notes

- 1 The factored web crippling data is based on Section G5 of S136-16.
- 2 For single web members, the coefficients and resistance factors are based on Table G5-2. If $N/h > 2$, then N can not be greater than $2h$. If $N/t > 210$, then N can not be greater than $210t$.
- 3 For back-to-back members, the coefficients and resistance factors are based on Table G5-1. If $N/h > 1$, then N can not be greater than h . If $N/t > 210$, then N can not be greater than $210t$.
- 4 Coefficients and resistance factors are based on members "Fastened to Support", except for back-to-back members under two-flange loading, the coefficients and resistance factors "Unfastened to Support" are used.
- 5 For back-to-back members, the distance between web connectors and flange shall be kept to a minimum.
- 6 Calculations are based on unperforated webs. Resistance reductions for end and interior one flange loading near punchouts can be calculated based on Section G6 of S136-16.



FACTORED WEB CRIPPLING DATA FOR SINGLE WEB MEMBERS (Metric)

Section Depth (mm)	Designation Thickness (mil)	Base Design Thickness (mm)	F _y (MPa)	h/t	FACTORED WEB CRIPPLING DATA (kN)							
					EOF		IOF		ETF		ITF	
					P _{eo1}	P _{eo2}	P _{io1}	P _{io2}	P _{et1}	P _{et2}	P _{it1}	P _{it2}
92	33	0.879	230	98.3	0.33	0.12	1.09	0.15	0.46	0.05	1.55	0.12
	43	1.146	230	75.2	0.61	0.21	2.02	0.28	0.88	0.11	2.86	0.23
	54	1.438	345	59.0	1.50	0.52	4.92	0.69	2.28	0.27	7.14	0.57
	68	1.811	345	45.8	2.43	0.85	7.87	1.10	3.87	0.46	11.8	0.94
	97	2.583	345	30.6	5.08	1.78	16.2	2.27	8.57	1.03	25.1	2.01
102	33	0.879	230	109	0.33	0.12	1.08	0.15	0.43	0.05	1.52	0.12
	43	1.146	230	83.5	0.60	0.21	2.01	0.28	0.85	0.10	2.81	0.22
	54	1.438	345	65.7	1.48	0.52	4.89	0.68	2.21	0.27	7.02	0.56
	68	1.811	345	51.1	2.41	0.84	7.84	1.10	3.77	0.45	11.6	0.93
	97	2.583	345	34.3	5.05	1.77	16.2	2.27	8.39	1.01	24.8	1.98
152	33	0.879	230	167	0.31	0.11	1.05	0.15	0.33	0.04	1.34	0.11
	43	1.146	230	128	0.57	0.20	1.96	0.27	0.69	0.08	2.54	0.20
	54	1.438	345	101	1.41	0.50	4.79	0.67	1.87	0.22	6.46	0.52
	68	1.811	345	79.2	2.31	0.81	7.70	1.08	3.29	0.39	10.8	0.86
	97	2.583	345	54.0	4.88	1.71	15.9	2.23	7.55	0.91	23.4	1.87
203	43	1.146	230	172	0.54	0.19	1.92	0.27	0.56	0.07	2.32	0.19
	54	1.438	345	136	1.36	0.48	4.70	0.66	1.59	0.19	5.98	0.48
	68	1.811	345	107	2.23	0.78	7.57	1.06	2.89	0.35	10.1	0.81
	97	2.583	345	73.7	4.74	1.66	15.7	2.20	6.86	0.82	22.2	1.78
	54	1.438	345	172	1.31	0.46	4.63	0.65	1.34	0.16	5.57	0.45
254	68	1.811	345	135	2.16	0.75	7.46	1.04	2.53	0.30	9.52	0.76
	97	2.583	345	93.3	4.61	1.61	15.5	2.17	6.26	0.75	21.2	1.70
	68	1.811	345	163	2.09	0.73	7.37	1.03	2.22	0.27	8.99	0.72
	97	2.583	345	113	4.50	1.58	15.4	2.15	5.72	0.69	20.3	1.62
	68	1.811	345	191	2.03	0.71	7.28	1.02	1.93	0.23	8.50	0.68
356	97	2.583	345	133	4.40	1.54	15.2	2.13	5.22	0.63	19.5	1.56

NOTES:

1. Factored end one flange web crippling resistance (EOF), $P_{reo} = P_{eo1} + P_{eo2}[N/t]^{1/2}$
2. Factored interior one flange web crippling resistance (IOF), $P_{rio} = P_{io1} + P_{io2}[N/t]^{1/2}$
3. Factored end two flange web crippling resistance (ETF), $P_{ret} = P_{et1} + P_{et2}[N/t]^{1/2}$
4. Factored interior two flange web crippling resistance (ITF), $P_{rit} = P_{it1} + P_{it2}[N/t]^{1/2}$

FACTORED WEB CRIPPLING DATA FOR BACK TO BACK WEB MEMBERS (Metric)

Section Depth (mm)	Designation Thickness (mil)	Base Design Thickness (mm)	F _y (MPa)	h/t	FACTORED WEB CRIPPLING DATA (kN)							
					EOF		IOF		ETF		ITF	
					P _{eo1}	P _{eo2}	P _{io1}	P _{io2}	P _{et1}	P _{et2}	P _{it1}	P _{it2}
92	33	0.879	230	98.3	1.65	0.46	4.00	0.44	1.85	0.15	3.93	0.31
	43	1.146	230	75.2	2.93	0.82	7.16	0.79	3.48	0.28	7.52	0.60
	54	1.438	345	59.0	7.03	1.97	17.2	1.89	8.85	0.71	19.1	1.53
	68	1.811	345	45.8	11.2	3.13	27.3	3.01	14.8	1.18	32.0	2.56
	97	2.583	345	30.6	22.7	6.37	55.7	6.13	32.1	2.57	69.4	5.56
102	33	0.879	230	109	1.65	0.46	3.99	0.44	1.79	0.14	3.79	0.30
	43	1.146	230	83.5	2.93	0.82	7.15	0.79	3.39	0.27	7.30	0.58
	54	1.438	345	65.7	7.03	1.97	17.2	1.89	8.63	0.69	18.7	1.49
	68	1.811	345	51.1	11.2	3.13	27.3	3.01	14.5	1.16	31.3	2.50
	97	2.583	345	34.3	22.7	6.37	55.7	6.12	31.6	2.53	68.3	5.46
152	33	0.879	230	167	1.65	0.46	3.99	0.44	1.48	0.12	3.14	0.25
	43	1.146	230	128	2.92	0.82	7.14	0.79	2.92	0.23	6.31	0.50
	54	1.438	345	101	7.01	1.96	17.2	1.89	7.64	0.61	16.5	1.32
	68	1.811	345	79.2	11.1	3.12	27.3	3.00	13.1	1.04	28.2	2.26
	97	2.583	345	54.0	22.7	6.36	55.6	6.12	29.1	2.33	63.0	5.04
203	43	1.146	230	172	2.91	0.82	7.13	0.78	2.54	0.20	5.47	0.44
	54	1.438	345	136	7.00	1.96	17.1	1.89	6.81	0.54	14.7	1.18
	68	1.811	345	107	11.1	3.12	27.2	3.00	11.9	0.95	25.7	2.05
	97	2.583	345	73.7	22.7	6.35	55.5	6.11	27.1	2.17	58.6	4.69
	54	1.438	345	172	6.99	1.96	17.1	1.88	6.08	0.49	13.1	1.05
254	68	1.811	345	135	11.1	3.11	27.2	2.99	10.8	0.87	23.4	1.88
	97	2.583	345	93.3	22.7	6.34	55.5	6.10	25.3	2.02	54.7	4.38
	68	1.811	345	163	11.1	3.11	27.2	2.99	9.91	0.79	21.4	1.71
	97	2.583	345	113	22.6	6.34	55.4	6.10	23.7	1.90	51.3	4.10
	68	1.811	345	191	11.1	3.10	27.1	2.99	9.05	0.72	19.6	1.57
97	2.583	345	133	22.6	6.33	55.4	6.09	22.2	1.78	48.1	3.85	

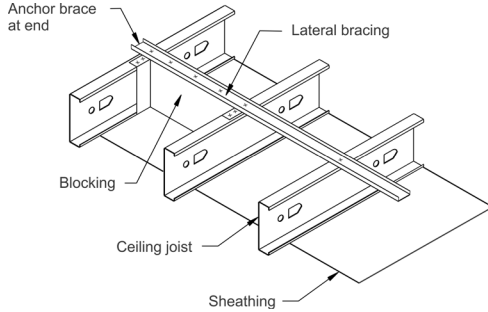
NOTES:

1. Factored end one flange web crippling resistance (EOF), $P_{reo} = P_{eo1} + P_{eo2}[N/t]^{1/2}$
2. Factored interior one flange web crippling resistance (IOF), $P_{rio} = P_{io1} + P_{io2}[N/t]^{1/2}$
3. Factored end two flange web crippling resistance (ETF), $P_{ret} = P_{et1} + P_{et2}[N/t]^{1/2}$
4. Factored interior two flange web crippling resistance (ITF), $P_{rit} = P_{it1} + P_{it2}[N/t]^{1/2}$

S-Section Ceiling Span Tables

Table Notes

- 1 Values are for simple span conditions.
- 2 For "Unbraced" case, the factored moment resistance is based on Sections F2 and F3 of S136-16 with the unbraced length assumed to be the listed span.
- 3 For "Midspan" braced case, the factored moment resistance is based on Sections F2 and F3 of S136-16 with the unbraced length assumed to be half of the listed span.
- 4 Web crippling check is based on 25 mm of bearing at end supports.
- 5 Web crippling and shear capacity have not been reduced for punchouts. If web punchouts occur near supports, members must be checked for reduced shear and web crippling in accordance with S136-16.



LIMITING CEILING SPANS (m) - L/240

Specified dead load		0.2 kPa						0.3 kPa						0.6 kPa					
Stud Designation	F _y (MPa)	Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan		
		305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610
162S125-18	230	2.39	2.21	1.99	2.48	2.24	1.95	2.14	1.99	1.74	2.15	1.95	1.70	1.74	1.57	1.36	1.70	1.54	1.35
162S125-33	230	3.03	2.78	2.46	3.10	2.81	2.45	2.69	2.46	2.15	2.70	2.45	2.14	2.15	1.95	1.70	2.14	1.94	1.70
250S125-18	230	2.70	2.50	2.25	3.47	3.14	2.72	2.43	2.25	2.03	3.01	2.72	2.37	2.03	1.88	1.69e	2.37	2.14e	1.85e
250S125-33	230	3.33	3.06	2.73	4.29	3.90	3.40	2.96	2.73	2.44	3.75	3.40	2.96	2.44	2.25	2.02	2.96	2.69	2.35
250S125-43	230	3.75	3.44	3.05	4.66	4.23	3.70	3.32	3.05	2.70	4.07	3.70	3.23	2.70	2.48	2.21	3.23	2.93	2.56
362S125-18	230	3.01	2.80	2.52	4.02	3.69	3.22	2.71	2.52	2.27	3.56	3.22	2.76e	2.27	2.11e	1.90e	2.76e	2.45e	2.05e
362S125-33	230	3.65	3.37	3.01	5.12	4.72	4.21	3.26	3.01	2.70	4.56	4.21	3.77	2.70	2.50	2.24	3.77	3.46	2.99
362S125-43	230	4.06	3.73	3.32	5.62	5.19	4.63	3.61	3.32	2.96	5.02	4.63	4.14	2.96	2.73	2.44	4.14	3.81	3.35
362S162-33	230	4.67	4.32	3.87	6.25	5.68	4.96	4.18	3.87	3.48	5.46	4.96	4.34	3.48	3.23	2.90	4.34	3.94	3.44
362S162-43	230	5.15	4.74	4.23	6.80	6.18	5.40	4.59	4.23	3.79	5.94	5.40	4.72	3.79	3.50	3.14	4.72	4.29	3.74
400S125-18	230	3.10	2.88	2.60	4.15	3.80	3.34	2.80	2.60	2.34	3.67	3.34	2.87e	2.34	2.18e	1.96e	2.87e	2.56e	2.15e
400S125-33	230	3.74	3.46	3.09	5.25	4.85	4.32	3.34	3.09	2.77	4.69	4.32	3.87	2.77	2.57	2.31	3.87	3.57	3.11
400S125-43	230	4.16	3.82	3.40	5.77	5.32	4.75	3.69	3.40	3.03	5.15	4.75	4.25	3.03	2.80	2.50	4.25	3.92	3.47
400S162-33	230	4.79	4.43	3.98	6.75	6.13	5.35	4.29	3.98	3.57	5.89	5.35	4.68	3.57	3.31	2.98	4.68	4.25	3.71
400S162-43	230	5.27	4.86	4.34	7.34	6.67	5.83	4.70	4.34	3.88	6.41	5.83	5.09	3.88	3.59	3.22	5.09	4.62	4.04
600S125-33	230	4.18	3.87	3.47	5.98	5.55	5.00	3.75	3.47	3.12	5.38	5.00	4.48	3.12	2.89	2.60	4.48	4.13	3.70
600S125-43	230	4.58	4.23	3.78	6.48	5.99	5.38	4.09	3.78	3.38	5.81	5.38	4.83	3.38	3.13	2.80	4.83	4.48	4.03
600S162-33	230	5.35	4.95	4.46	7.70	7.15	6.45	4.80	4.46	4.01	6.94	6.45	5.81	4.01	3.72	3.35	5.81	5.40	4.83e
600S162-43	230	5.83	5.39	4.83	8.31	7.70	6.92	5.22	4.83	4.33	7.46	6.92	6.23	4.33	4.01	3.61	6.23	5.78	5.20

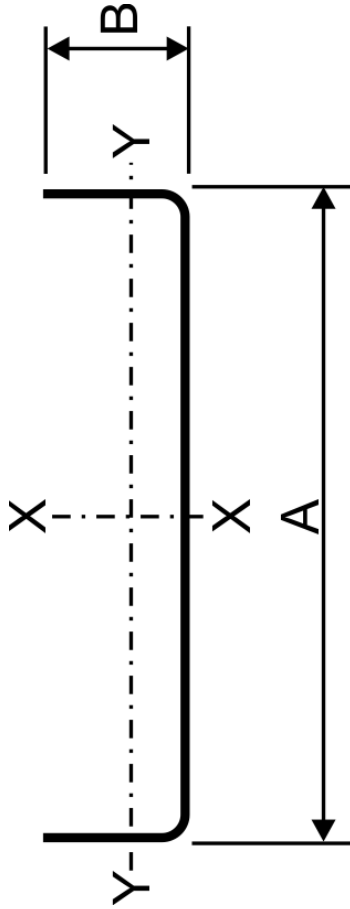
NOTE: "e" indicates that web stiffeners are required at ends.

LIMITING CEILING SPANS (m) - L/360

Specified dead load		0.2 kPa						0.3 kPa						0.6 kPa					
Stud Designation	F _y (MPa)	Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan		
		305	406	610	305	406	610	305	406	610	305	406	610	305	406	610	305	406	610
162S125-18	230	2.23	2.02	1.76	2.16	1.96	1.70	1.94	1.76	1.52	1.88	1.70	1.48	1.52	1.38	1.19	1.48	1.35	1.18
162S125-33	230	2.71	2.46	2.15	2.70	2.45	2.14	2.36	2.15	1.88	2.36	2.14	1.87	1.88	1.71	1.49	1.87	1.70	1.48
250S125-18	230	2.70	2.50	2.25	3.03	2.74	2.38	2.43	2.25	2.03	2.63	2.38	2.07	2.03	1.88	1.67e	2.07	1.87	1.63e
250S125-33	230	3.33	3.06	2.73	3.75	3.40	2.97	2.96	2.73	2.44	3.27	2.97	2.59	2.44	2.25	2.02	2.59	2.35	2.05
250S125-43	230	3.75	3.44	3.05	4.07	3.70	3.23	3.32	3.05	2.70	3.55	3.23	2.82	2.70	2.48	2.21	2.82	2.56	2.24
362S125-18	230	3.01	2.80	2.52	4.02	3.68	3.18	2.71	2.52	2.27	3.52	3.18	2.76e	2.27	2.11e	1.90e	2.76e	2.45e	2.05e
362S125-33	230	3.65	3.37	3.01	4.99	4.54	3.96	3.26	3.01	2.70	4.36	3.96	3.46	2.70	2.50	2.24	3.46	3.14	2.74
362S125-43	230	4.06	3.73	3.32	5.43	4.93	4.31	3.61	3.32	2.96	4.74	4.31	3.76	2.96	2.73	2.44	3.76	3.42	2.99
362S162-33	230	4.67	4.32	3.87	5.46	4.96	4.34	4.18	3.87	3.48	4.77	4.34	3.79	3.48	3.23	2.90	3.79	3.44	3.01
362S162-43	230	5.15	4.74	4.23	5.94	5.40	4.72	4.59	4.23	3.79	5.19	4.72	4.12	3.79	3.50	3.14	4.12	3.74	3.27
400S125-18	230	3.10	2.88	2.60	4.15	3.80	3.34	2.80	2.60	2.34	3.67	3.34	2.87e	2.34	2.18e	1.96e	2.87e	2.56e	2.15e
400S125-33	230	3.74	3.46	3.09	5.25	4.85	4.28	3.34	3.09	2.77	4.69	4.28	3.74	2.77	2.57	2.31	3.74	3.39	2.96
400S125-43	230	4.16	3.82	3.40	5.77	5.32	4.65	3.69	3.40	3.03	5.12	4.65	4.07	3.03	2.80	2.50	4.07	3.69	3.23
400S162-33	230	4.79	4.43	3.98	5.89	5.35	4.68	4.29	3.98	3.57	5.15	4.68	4.09	3.57	3.31	2.98	4.09	3.71	3.24
400S162-43	230	5.27	4.86	4.34	6.41	5.83	5.09	4.70	4.34	3.88	5.60	5.09	4.45	3.88	3.59	3.22	4.45	4.04	3.53
600S125-33	230	4.18	3.87	3.47	5.98	5.55	5.00	3.75	3.47	3.12	5.38	5.00	4.48	3.12	2.89	2.60	4.48	4.13	3.70
600S125-43	230	4.58	4.23	3.78	6.48	5.99	5.38	4.09	3.78	3.38	5.81	5.38	4.83	3.38	3.13	2.80	4.83	4.48	4.03
600S162-33	230	5.35	4.95	4.46	7.70	7.15	6.42	4.80	4.46	4.01	6.94	6.42	5.61	4.01	3.72	3.35	5.61	5.10	4.45e
600S162-43	230	5.83	5.39	4.83	8.31	7.70	6.92	5.22	4.83	4.33	7.46	6.92	6.11	4.33	4.01	3.61	6.11	5.55	4.85

NOTE: "e" indicates that web stiffeners are required at ends.

U-Channel Section Properties



Note: Inside bend radius taken as 2.38 mm.

Section Designation	Base Design Thickness (mm)	Depth A (mm)	Flange B (mm)	F _y (MPa)	GROSS						EFFECTIVE			
					Mass (kg/m)	Area (E+03) (mm ²)	I _x (E+06) (mm ⁴)	r _x (mm)	I _y (E+06) (mm ⁴)	r _y (mm)	V _{rg} (kN)	I _{xd} (E+06) (mm ⁴)	S _{xe} (E+03) (mm ³)	M _{rx} (kN-m)
75U50-54	1.438	19.1	12.7	230	0.440	0.0562	0.00302	7.34	0.000878	3.96	1.86	0.00302	0.318	0.0776
75U50-54	1.438	19.1	12.7	345	0.440	0.0562	0.00302	7.34	0.000878	3.96	2.82	0.00302	0.318	0.1150
150U50-43	1.146	38.1	12.7	230	0.531	0.0677	0.0135	14.1	0.000941	3.73	4.03	0.01347	0.706	0.1678
150U50-43	1.146	38.1	12.7	345	0.531	0.0677	0.0135	14.1	0.000941	3.73	6.10	0.01347	0.706	0.2494
150U50-54	1.438	38.1	12.7	230	0.656	0.0836	0.0162	13.9	0.001132	3.68	4.85	0.01622	0.852	0.2085
150U50-54	1.438	38.1	12.7	345	0.656	0.0836	0.0162	13.9	0.001132	3.68	7.35	0.01622	0.852	0.3088
150U75-54	1.438	38.1	19.1	230	0.799	0.1019	0.0224	14.8	0.003600	5.94	4.85	0.02236	1.17	0.2724
150U75-54	1.438	38.1	19.1	345	0.799	0.1019	0.0224	14.8	0.003600	5.94	7.35	0.02236	1.16	0.3586
200U50-54	1.438	50.8	12.7	230	0.799	0.1019	0.0331	18.0	0.001223	3.4798	6.85	0.03313	1.30	0.3197
250U50-54	1.438	63.5	12.7	230	0.943	0.1201	0.0583	22.0	0.001290	3.2766	8.84	0.05830	1.84	0.4497

NOTE: Cold work of forming is applied when applicable.

U-Channel Ceiling Span Tables

Table Notes

- 1 Multiple span indicates two or more equal spans continuous over interior supports.
- 2 Compression flanges assumed unbraced.
- 3 Web crippling based on 19 mm bearing at end and interior supports.

Limiting Ceiling Spans of U-Channels (m) - L/240

Section Designation	Specified dead loads			0.20 kPa						0.30 kPa						0.60 kPa						0.70 kPa					
	F _y (MPa)	Span Type	Span (m)	Spacing (m) o.c.			Spacing (m) o.c.			Spacing (m) o.c.			Spacing (m) o.c.			Spacing (m) o.c.			Spacing (m) o.c.			Spacing (m) o.c.					
				0.60	1.00	1.20	1.50	1.80	0.60	1.00	1.20	1.50	1.80	0.60	1.00	1.20	1.50	1.80	0.60	1.00	1.20	1.50	1.80	0.60	1.00	1.20	1.50
75U050-54	230	Single	1.18	0.99	0.94	0.87	0.82	1.03	0.87	0.82	0.76	0.71	0.82	0.69	0.65	0.60	0.57	0.82	0.69	0.65	0.60	0.57	0.78	0.66	0.62	0.57	0.54
		Multiple	1.46	1.23	1.16	1.07	1.01	1.27	1.07	1.01	0.94	0.88	0.88	1.01	0.85	0.80	0.74	0.68	0.81	0.74	0.68	0.63	0.81	0.76	0.69	0.63	0.63
150U050-54	230	Single	1.79	1.51	1.42	1.32	1.25	1.56	1.32	1.25	1.16	1.09	1.25	1.06	0.99	0.93	0.87	1.25	1.06	0.99	0.93	0.87	1.18	1.00	0.95	0.88	0.83
		Multiple	2.29	1.93	1.82	1.69	1.59	2.00	1.69	1.59	1.48	1.39	1.27	1.59	1.34	1.27	1.18	1.10	1.27	1.10	1.05	0.98	1.28	1.20	1.11	1.03	1.03
200U050-54	230	Single	1.88	1.59	1.50	1.39	1.31	1.64	1.39	1.31	1.22	1.15	1.31	1.11	1.05	0.98	0.92	1.31	1.11	1.05	0.98	0.92	1.25	1.06	1.00	0.93	0.88
		Multiple	2.40	2.02	1.91	1.77	1.67	2.10	1.77	1.67	1.55	1.46	1.67	1.41	1.33	1.24	1.17	1.59	1.35	1.27	1.18	1.11	1.35	1.27	1.18	1.11	1.11
250U050-54	230	Single	1.95	1.65	1.56	1.45	1.37	1.71	1.45	1.37	1.27	1.20	1.45	1.16	1.10	1.02	0.97	1.37	1.16	1.10	1.02	0.97	1.30	1.11	1.05	0.98	0.92
		Multiple	2.49	2.10	1.98	1.84	1.74	2.18	1.84	1.74	1.62	1.52	1.74	1.47	1.39	1.29	1.22	1.65	1.40	1.32	1.23	1.16	1.65	1.40	1.32	1.23	1.16

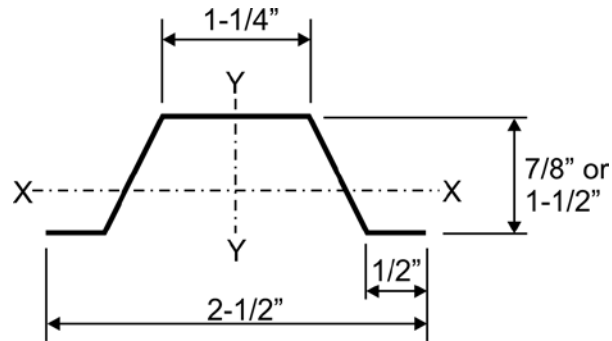
Limiting Ceiling Spans of U-Channels (m) - L/360

Section Designation	Specified dead loads			0.20 kPa						0.30 kPa						0.60 kPa						0.70 kPa					
	F _y (MPa)	Span Type	Span (m)	Spacing (m) o.c.			Spacing (m) o.c.			Spacing (m) o.c.			Spacing (m) o.c.			Spacing (m) o.c.			Spacing (m) o.c.			Spacing (m) o.c.					
				0.60	1.00	1.20	1.50	1.80	0.60	1.00	1.20	1.50	1.80	0.60	1.00	1.20	1.50	1.80	0.60	1.00	1.20	1.50	1.80	0.60	1.00	1.20	1.50
75U050-54	230	Single	1.03	0.87	0.82	0.76	0.71	0.90	0.76	0.71	0.66	0.62	0.71	0.60	0.57	0.53	0.50	0.71	0.60	0.57	0.53	0.50	0.68	0.57	0.54	0.50	0.47
		Multiple	1.27	1.07	1.01	0.94	0.88	1.11	0.94	0.88	0.82	0.77	0.88	0.74	0.70	0.65	0.61	0.88	0.74	0.70	0.65	0.61	0.84	0.71	0.67	0.62	0.58
150U050-54	230	Single	1.79	1.51	1.42	1.32	1.25	1.56	1.32	1.25	1.16	1.09	1.25	1.05	0.99	0.92	0.87	1.25	1.05	0.99	0.92	0.87	1.18	1.00	0.94	0.88	0.82
		Multiple	2.23	1.88	1.77	1.64	1.55	1.95	1.64	1.55	1.43	1.35	1.55	1.30	1.23	1.14	1.07	1.47	1.24	1.17	1.08	1.02	1.24	1.17	1.08	1.02	1.02
200U050-54	230	Single	1.88	1.59	1.50	1.39	1.31	1.64	1.39	1.31	1.22	1.15	1.31	1.11	1.05	0.98	0.92	1.31	1.11	1.05	0.98	0.92	1.25	1.06	1.00	0.93	0.88
		Multiple	2.40	2.02	1.91	1.77	1.67	2.10	1.77	1.67	1.55	1.46	1.67	1.41	1.33	1.24	1.17	1.59	1.35	1.27	1.18	1.11	1.35	1.27	1.18	1.11	1.11
250U050-54	230	Single	1.95	1.65	1.56	1.45	1.37	1.71	1.45	1.37	1.27	1.20	1.45	1.16	1.10	1.02	0.97	1.37	1.16	1.10	1.02	0.97	1.30	1.11	1.05	0.98	0.92
		Multiple	2.49	2.10	1.98	1.84	1.74	2.18	1.84	1.74	1.62	1.52	1.74	1.47	1.39	1.29	1.22	1.65	1.40	1.32	1.23	1.16	1.65	1.40	1.32	1.23	1.16

Furring Channel Section Properties

Table Notes

- 1 If present, hems and offsets in flanges are ignored.
- 2 Effective properties are the minimum for positive and negative bending.



Section Designation	F _y (ksi)	Base Design Thickness (in.)	Gross						Effective		
			Weight (lb/ft)	Area (in. ²)	I _x (in. ⁴)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	I _{xd} (in. ⁴)	S _{xe} (in. ³)	M _{rx} (k-in.)
087F125-18	33	0.0188	0.245	0.0721	0.00913	0.356	0.0360	0.707	0.00888	0.0162	0.482
087F125-27	33	0.0283	0.366	0.108	0.0133	0.352	0.0535	0.705	0.0133	0.0275	0.816
087F125-30	33	0.0312	0.402	0.118	0.0146	0.351	0.0587	0.705	0.0146	0.0310	0.919
087F125-33	33	0.0346	0.444	0.131	0.0160	0.350	0.0648	0.704	0.0160	0.0343	1.02
087F125-43	33	0.0451	0.573	0.168	0.0201	0.345	0.0832	0.703	0.0201	0.0432	1.28
150F125-18	33	0.0188	0.323	0.0950	0.0315	0.576	0.0466	0.700	0.0308	0.0346	1.03
150F125-27	33	0.0283	0.483	0.142	0.0464	0.572	0.0692	0.698	0.0464	0.0573	1.70
150F125-30	33	0.0312	0.532	0.156	0.0509	0.571	0.0760	0.697	0.0509	0.0644	1.91
150F125-33	33	0.0346	0.588	0.173	0.0560	0.569	0.0838	0.696	0.0560	0.0712	2.11
150F125-43	33	0.0451	0.760	0.224	0.0713	0.565	0.108	0.694	0.0713	0.0907	2.69

Furring Channel Ceiling Span Tables

Table Notes

- 1 Single spans are the minimum span based on moment, shear, web crippling, or deflection.
- 2 Multiple spans are for two or more equal continuous spans with span length measured from support to support.
- 3 Web crippling check is based on a bearing length of 25 mm at end and interior supports.
- 4 Multiple spans are the minimum span based on moment, shear, web crippling, combined bending and shear, combined bending and web crippling, or deflection.

Limiting Ceiling Spans of Furring Channels (m) - *L/240*

Specified dead loads			0.20 kPa			0.30 kPa			0.60 kPa		
Section Designation	F _y (MPa)	Span Type	Spacing (mm) o.c.			Spacing (mm) o.c.			Spacing (mm) o.c.		
			305	406	610	305	406	610	305	406	610
087F125-18	230	Single	1.58	1.43	1.25	1.38	1.25	1.09	1.09	0.99	0.87
		Multiple	1.95	1.77	1.55	1.70	1.55	1.35	1.35	1.20	0.98
087F125-27	230	Single	1.81	1.64	1.44	1.58	1.44	1.25	1.25	1.14	1.00
		Multiple	2.23	2.03	1.77	1.95	1.77	1.55	1.55	1.41	1.23
087F125-30	230	Single	1.86	1.69	1.48	1.63	1.48	1.29	1.29	1.17	1.02
		Multiple	2.30	2.09	1.83	2.01	1.83	1.60	1.60	1.45	1.27
087F125-33	230	Single	1.92	1.74	1.52	1.68	1.52	1.33	1.33	1.21	1.06
		Multiple	2.37	2.16	1.88	2.07	1.88	1.65	1.65	1.49	1.31
087F125-43	230	Single	2.07	1.88	1.65	1.81	1.65	1.44	1.44	1.31	1.14
		Multiple	2.56	2.33	2.03	2.24	2.03	1.78	1.78	1.61	1.41
150F125-18	230	Single	2.39	2.17	1.90	2.09	1.90	1.66	1.66	1.51	1.32
		Multiple	2.95	2.68	2.34	2.58	2.34	2.02	2.02	1.75	1.43
150F125-27	230	Single	2.74	2.49	2.18	2.39	2.18	1.90	1.90	1.73	1.51
		Multiple	3.39	3.08	2.69	2.96	2.69	2.35	2.35	2.13	1.83
150F125-30	230	Single	2.83	2.57	2.24	2.47	2.24	1.96	1.96	1.78	1.56
		Multiple	3.49	3.17	2.77	3.05	2.77	2.42	2.42	2.20	1.92
150F125-33	230	Single	2.92	2.65	2.32	2.55	2.32	2.02	2.02	1.84	1.61
		Multiple	3.61	3.28	2.86	3.15	2.86	2.50	2.50	2.27	1.98
150F125-43	230	Single	3.16	2.87	2.51	2.76	2.51	2.19	2.19	1.99	1.74
		Multiple	3.91	3.55	3.10	3.41	3.10	2.71	2.71	2.46	2.15

Limiting Ceiling Spans of Furring Channels (m) - *L/360*

Specified dead loads			0.20 kPa			0.30 kPa			0.60 kPa		
Section Designation	F _y (MPa)	Span Type	Spacing (mm) o.c.			Spacing (mm) o.c.			Spacing (mm) o.c.		
			305	406	610	305	406	610	305	406	610
087F125-18	230	Single	1.38	1.25	1.09	1.21	1.09	0.96	0.96	0.87	0.76
		Multiple	1.70	1.55	1.35	1.49	1.35	1.18	1.18	1.07	0.94
087F125-27	230	Single	1.58	1.44	1.25	1.38	1.25	1.10	1.10	1.00	0.87
		Multiple	1.95	1.77	1.55	1.71	1.55	1.35	1.35	1.23	1.07
087F125-30	230	Single	1.63	1.48	1.29	1.42	1.29	1.13	1.13	1.02	0.90
		Multiple	2.01	1.83	1.60	1.76	1.60	1.39	1.39	1.27	1.11
087F125-33	230	Single	1.68	1.52	1.33	1.47	1.33	1.16	1.16	1.06	0.92
		Multiple	2.07	1.88	1.65	1.81	1.65	1.44	1.44	1.31	1.14
087F125-43	230	Single	1.81	1.65	1.44	1.58	1.44	1.26	1.26	1.14	1.00
		Multiple	2.24	2.03	1.78	1.95	1.78	1.55	1.55	1.41	1.23
150F125-18	230	Single	2.09	1.90	1.66	1.82	1.66	1.45	1.45	1.32	1.15
		Multiple	2.58	2.34	2.05	2.25	2.05	1.79	1.79	1.63	1.42
150F125-27	230	Single	2.39	2.18	1.90	2.09	1.90	1.66	1.66	1.51	1.32
		Multiple	2.96	2.69	2.35	2.58	2.35	2.05	2.05	1.86	1.63
150F125-30	230	Single	2.47	2.24	1.96	2.16	1.96	1.71	1.71	1.56	1.36
		Multiple	3.05	2.77	2.42	2.66	2.42	2.12	2.12	1.92	1.68
150F125-33	230	Single	2.55	2.32	2.02	2.23	2.02	1.77	1.77	1.61	1.40
		Multiple	3.15	2.86	2.50	2.75	2.50	2.18	2.18	1.98	1.73
150F125-43	230	Single	2.76	2.51	2.19	2.41	2.19	1.92	1.92	1.74	1.52
		Multiple	3.41	3.10	2.71	2.98	2.71	2.37	2.37	2.15	1.88

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