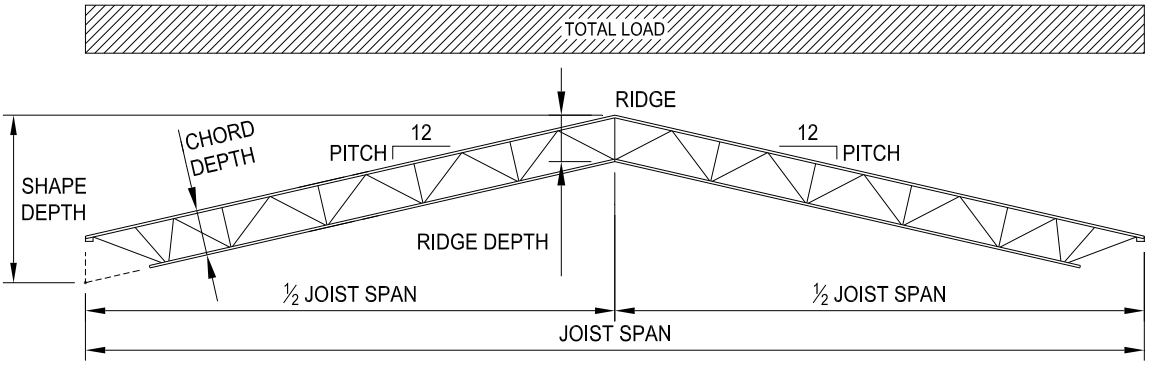
Scissor Joist (SPSC) Tables

The following weight tables are representative of SP-Series joist designs for Scissor Joists with parameters shown in the diagram below. The maximum allowable Live Load deflection is L/240 for a Live Load equal to 75 percent of the Total Load listed in the table. The tables also give bridging requirements per Section 904.5(d), the required seat depth for the given profile, as well as the estimated self-weight in pounds per linear foot. This catalog provides two design examples for reference and clarification on design issues. The following tables are not representative of any limits or constraints on design or constructability by NMBS. The SP-Series Scissor joists in the following tables are designed assuming pinned-roller supports. If this design results in a predicted approximate horizontal deflection, δ_x, greater than two inches at the roller support, the approximate weight is flagged with the notation, δ_x>2. The specifying professional should do further investigation into the actual horizontal deflection and consider alternatives as explained in HORIZONTAL REACTIONS on page 18. For further information, please contact your nearest NMBS representative or visit www.newmill.com.

ALL TABLES ARE BASED ON ASD



SCISSOR JOIST (SPSC)

Scissor Joist (SPSC) Tables

Span	Chord Depth	Ridge Depth	Top Chord Pitch	Shape Depth	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
ft	in	in	in/ft	in	Joist Self-Weight - Pounds per Linear Foot (**plf**)										
10	10	10.0	0.500	13	7	7	7	7	7	7	7	7	7	7	7
10	10	10.0	0.750	14	7	7	7	7	7	7	7	7	7	7	7
10	10	10.0	1.000	15	7	7	7	7	7	7	7	7	7	7	7
10	10	10.1	1.500	18	7	7	7	7	7	7	7	7	7	7	7
10	10	10.3	3.000	25	8	8	8	8	8	8	8	8	9	9	9
10	10	11.2	6.000	41	10	10	10	10	10	10	10	10	10	10	10
10	14	14.0	0.500	17	7	7	7	7	7	7	7	7	7	7	7
10	14	14.0	0.750	18	7	7	7	7	7	7	7	7	7	7	7
10	14	14.0	1.000	19	7	7	7	7	7	7	7	7	7	7	7
10	14	14.1	1.500	22	7	7	7	7	7	7	7	7	7	7	7
10	14	14.4	3.000	29	7	7	7	7	7	7	7	7	7	7	8
10	14	15.7	6.000	46	8	8	8	8	8	8	8	8	8	8	8
10	18	18.0	0.500	21	7	7	7	7	7	7	7	7	7	7	7
10	18	18.0	0.750	22	7	7	7	7	7	7	7	7	7	7	7
10	18	18.1	1.000	23	7	7	7	7	7	7	7	7	7	7	7
10	18	18.1	1.500	26	7	7	7	7	7	7	7	7	7	7	7
10	18	18.6	3.000	34	7	7	7	7	7	7	7	7	7	7	7
10	18	20.1	6.000	50	9	9	9	9	9	9	9	10	10	10	10
10	22	22.0	0.500	25	7	7	7	7	7	7	7	7	7	7	7
10	22	22.0	0.750	26	7	7	7	7	7	7	7	7	7	7	7
10	22	22.1	1.000	27	7	7	7	7	7	7	7	7	7	7	7
10	22	22.2	1.500	30	7	7	7	7	7	7	7	7	7	7	7
10	22	22.7	3.000	38	7	7	7	7	7	7	7	7	7	7	8
10	22	24.6	6.000	55	8	8	8	8	8	8	9	9	9	9	10
10	26	26.0	0.500	29	7	7	7	7	7	7	7	7	7	7	7
10	26	26.1	0.750	30	7	7	7	7	7	7	7	7	7	7	7
10	26	26.1	1.000	31	7	7	7	7	7	7	7	7	7	7	7
10	26	26.2	1.500	34	7	7	7	7	7	7	7	7	7	7	7
10	26	26.8	3.000	42	8	8	8	8	8	8	8	8	8	8	8
10	26	29.1	6.000	59	8	8	8	8	8	8	8	8	8	9	9
10	30	30.0	0.500	33	7	7	7	7	7	7	7	7	7	7	7
10	30	30.1	0.750	34	7	7	7	7	7	7	7	7	7	7	7
10	30	30.1	1.000	35	7	7	7	7	7	7	7	7	7	7	7
10	30	30.2	1.500	38	7	7	7	7	7	7	7	7	7	7	7
10	30	30.9	3.000	46	7	7	7	7	7	7	7	7	7	7	7
10	30	33.5	6.000	64	8	8	8	8	8	8	8	8	8	9	9
10	34	34.0	0.500	37	7	7	7	7	7	7	7	7	7	7	7
10	34	34.1	0.750	38	7	7	7	7	7	7	7	7	7	7	7
10	34	34.1	1.000	39	7	7	7	7	7	7	7	7	7	7	7
10	34	34.3	1.500	42	7	7	7	7	7	7	7	7	7	7	7
10	34	35.0	3.000	50	7	7	7	7	7	7	7	7	7	7	8
10	34	38.0	6.000	68	8	8	8	8	8	8	9	9	9	9	10
10	38	38.0	0.500	41	7	7	7	7	7	7	7	8	8	8	8
10	38	38.1	0.750	42	7	7	7	7	7	7	7	8	8	8	8
10	38	38.1	1.000	43	6	7	7	7	7	7	7	8	8	8	8
10	38	38.3	1.500	46	7	7	7	7	7	7	8	8	8	8	8
10	38	39.2	3.000	54	7	7	7	7	8	8	8	9	9	9	10
10	38	42.5	6.000	72	8	8	9	9	10	10	11	11	11	12	12
10	42	42.0	0.500	45	7	7	7	7	7	7	8	8	8	8	9
10	42	42.1	0.750	46	7	7	7	7	7	7	8	8	8	8	9
10	42	42.1	1.000	47	7	7	7	7	7	8	8	8	8	8	9
10	42	42.3	1.500	50	7	7	7	7	7	8	8	8	8	9	9
10	42	43.3	3.000	58	7	7	7	8	8	8	8	9	9	9	10
10	42	47.0	6.000	77	9	9	9	10	10	11	11	12	12	12	12
10	46	46.0	0.500	49	7	7	7	7	7	8	8	8	8	8	9
10	46	46.1	0.750	50	7	7	7	7	7	8	8	8	8	8	9
10	46	46.2	1.000	51	7	7	7	7	7	8	8	8	8	9	9
10	46	46.4	1.500	54	7	7	7	7	8	8	8	8	9	9	9
10	46	47.4	3.000	62	8	8	8	8	9	9	9	10	10	10	10
10	46	51.4	6.000	81	10	10	10	11	11	12	12	13	13	13	14

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span	Chord Depth	Ridge Depth	Top Chord Pitch	Shape Depth	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
ft	in	in	in/ft	in	Joist Self-Weight - Pounds per Linear Foot (**plf**)										
20	10	10.0	0.500	15	7	8	10	11	12	13	15	16	19	19	20
20	10	10.0	0.750	18	7	8	10	11	12	14	15	16	19	19	20
20	10	10.0	1.000	20	7	8	10	11	12	14	15	16	19	20	20
20	10	10.1	1.500	25	8	9	10	12	13	14	15	17	19	20	21
20	10	10.3	3.000	40	8	10	11	12	13	15	16	19	20	20	21
20	10	11.2	6.000	71	9	10	12	14	15	16	18	21	21	23	25
20	14	14.0	0.500	19	7	7	7	7	8	9	10	10	11	12	13
20	14	14.0	0.750	22	7	7	7	7	8	9	10	10	11	12	13
20	14	14.0	1.000	24	7	7	7	7	8	9	10	10	11	12	13
20	14	14.1	1.500	29	7	7	7	7	8	9	10	10	11	12	13
20	14	14.4	3.000	44	7	7	7	8	9	10	10	11	11	13	13
20	14	15.7	6.000	76	8	8	9	10	10	11	12	13	14	14	15
20	18	18.0	0.500	23	7	7	7	7	7	8	8	9	10	10	11
20	18	18.0	0.750	26	7	7	7	7	7	8	9	9	10	10	11
20	18	18.1	1.000	28	7	7	7	7	7	8	9	9	10	10	11
20	18	18.1	1.500	33	7	7	7	7	7	8	9	9	10	10	11
20	18	18.6	3.000	49	7	7	7	8	8	8	9	9	10	11	11
20	18	20.1	6.000	80	7	8	8	9	9	10	10	11	11	13	13
20	22	22.0	0.500	27	7	7	7	7	7	8	8	8	9	10	10
20	22	22.0	0.750	30	7	7	7	7	7	8	8	9	9	10	10
20	22	22.1	1.000	32	7	7	7	7	7	8	8	9	9	10	11
20	22	22.2	1.500	37	7	7	7	7	7	8	8	9	10	10	11
20	22	22.7	3.000	53	8	8	8	8	8	9	10	10	11	11	12
20	22	24.6	6.000	85	8	9	9	10	10	10	11	12	13	13	13
20	26	26.0	0.500	31	7	7	7	7	8	8	8	9	9	10	10
20	26	26.1	0.750	34	7	7	7	7	8	8	8	9	9	9	10
20	26	26.1	1.000	36	7	7	7	7	8	8	9	9	10	10	10
20	26	26.2	1.500	41	7	7	7	7	8	8	9	9	10	10	11
20	26	26.8	3.000	57	7	7	8	8	8	9	9	9	10	11	11
20	26	29.1	6.000	89	8	9	9	9	10	10	11	12	12	13	13
20	30	30.0	0.500	35	7	7	7	7	8	8	9	9	10	10	11
20	30	30.1	0.750	38	7	7	7	7	8	8	9	9	10	10	11
20	30	30.1	1.000	40	7	7	7	7	8	8	9	9	10	10	11
20	30	30.2	1.500	45	7	7	7	7	8	8	9	9	10	11	11
20	30	30.9	3.000	61	7	7	8	8	8	9	10	10	11	12	12
20	30	33.5	6.000	94	9	10	10	11	11	12	12	13	14	14	15
20	34	34.0	0.500	39	7	7	7	8	8	9	9	9	10	11	11
20	34	34.1	0.750	42	7	7	8	8	8	9	9	10	10	11	11
20	34	34.1	1.000	44	7	7	8	8	8	9	9	10	11	11	12
20	34	34.3	1.500	49	7	8	8	8	8	9	9	10	11	12	12
20	34	35.0	3.000	65	8	8	8	9	9	9	10	11	11	12	13
20	34	38.0	6.000	98	10	10	11	11	12	12	13	13	15	15	16
20	38	38.0	0.500	43	7	7	8	8	9	9	10	10	11	12	12
20	38	38.1	0.750	46	7	8	8	9	9	9	10	10	11	12	12
20	38	38.1	1.000	48	7	8	8	9	9	9	10	10	12	12	12
20	38	38.3	1.500	53	8	8	8	9	9	10	10	10	12	12	12
20	38	39.2	3.000	69	8	9	9	9	10	10	11	11	13	13	13
20	38	42.5	6.000	102	11	11	12	12	13	14	15	15	16	17	17
20	42	42.0	0.500	47	8	8	9	9	9	9	10	11	12	12	12
20	42	42.1	0.750	50	8	8	9	9	9	10	10	11	12	13	13
20	42	42.1	1.000	52	8	8	9	9	9	10	11	11	12	13	13
20	42	42.3	1.500	57	8	9	9	9	10	10	11	11	12	12	12
20	42	43.3	3.000	73	8	9	9	10	11	11	12	12	13	13	13
20	42	47.0	6.000	107	11	11	12	13	14	14	15	15	15	16	18
20	46	46.0	0.500	51	8	9	9	9	10	10	11	11	12	12	13
20	46	46.1	0.750	54	8	9	9	9	10	11	11	11	12	13	14
20	46	46.2	1.000	56	8	9	9	9	10	11	11	12	12	13	14
20	46	46.4	1.500	61	9	9	9	10	11	11	12	12	12	14	14
20	46	47.4	3.000	77	9	9	10	11	11	12	12	13	13	15	15
20	46	51.4	6.000	111	12	13	13	14	14	15	16	17	18	18	18

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
30	16	16.0	0.500	24	9	10	12	13	15	16	18	20	21	22	24
30	16	16.0	0.750	27	9	10	12	13	15	16	19	20	21	22	24
30	16	16.1	1.000	31	9	10	12	13	15	16	19	20	21	23	24
30	16	16.1	1.500	39	9	10	12	13	15	17	19	20	21	23	25
30	16	16.5	3.000	61	9	11	13	14	16	18	19	21	22	25	26
30	16	17.9	6.000	108	11	13	15	17	19	21	23	24	27	29	30
30	22	22.0	0.500	30	7	8	9	10	11	13	14	14	16	16	18
30	22	22.0	0.750	33	7	8	9	10	11	13	14	14	16	16	18
30	22	22.1	1.000	37	7	8	9	10	12	13	14	14	16	17	18
30	22	22.2	1.500	45	8	9	9	11	12	13	14	15	16	17	18
30	22	22.7	3.000	68	8	9	10	11	12	13	14	16	17	18	19
30	22	24.6	6.000	115	9	10	12	13	14	15	16	18	18	20	22
30	28	28.0	0.500	36	7	8	9	10	11	12	13	13	14	15	16
30	28	28.1	0.750	39	7	8	9	10	11	12	13	13	14	15	16
30	28	28.1	1.000	43	7	8	9	10	11	12	13	13	14	16	16
30	28	28.2	1.500	51	8	8	9	10	11	12	13	13	15	16	17
30	28	28.9	3.000	74	8	9	10	11	12	12	13	15	15	17	17
30	28	31.3	6.000	121	9	10	11	12	13	14	15	16	17	18	19
30	34	34.0	0.500	42	8	8	9	10	11	11	13	13	14	15	16
30	34	34.1	0.750	45	8	8	9	10	11	12	13	14	14	15	16
30	34	34.1	1.000	49	8	8	9	10	11	12	13	14	14	16	16
30	34	34.3	1.500	57	8	8	9	10	11	12	12	14	14	16	17
30	34	35.0	3.000	80	9	10	10	11	12	13	14	15	16	17	18
30	34	38.0	6.000	128	11	11	12	14	14	16	16	18	18	20	21
30	40	40.0	0.500	48	8	9	10	11	12	12	13	14	15	16	17
30	40	40.1	0.750	51	9	9	10	11	12	12	13	14	15	16	17
30	40	40.1	1.000	55	9	9	10	11	12	13	13	15	15	17	17
30	40	40.3	1.500	63	9	9	10	12	12	13	13	15	15	17	17
30	40	41.2	3.000	86	9	10	11	12	13	13	14	16	16	16	18
30	40	44.7	6.000	135	12	12	13	14	16	16	17	18	20	20	21
30	46	46.0	0.500	54	9	10	10	11	12	12	14	15	15	15	17
30	46	46.1	0.750	57	9	10	11	11	12	13	14	15	15	16	17
30	46	46.2	1.000	61	9	10	11	11	12	13	14	15	15	16	17
30	46	46.4	1.500	69	10	10	11	12	13	13	14	15	16	17	17
30	46	47.4	3.000	92	10	11	12	13	13	15	16	17	17	18	20
30	46	51.4	6.000	141	14	14	15	15	17	17	18	20	21	21	23
30	52	52.0	0.500	60	10	11	12	12	13	14	15	16	17	17	19
30	52	52.1	0.750	63	10	11	12	13	13	14	15	16	17	17	19
30	52	52.2	1.000	67	10	11	12	13	13	14	15	17	17	18	19
30	52	52.4	1.500	75	11	12	12	13	14	14	16	17	17	18	20
30	52	53.6	3.000	99	12	12	13	14	16	16	16	18	20	20	21
30	52	58.1	6.000	148	17	17	17	17	20	21	21	22	24	25	27
30	58	58.1	0.500	66	11	12	13	14	14	16	17	17	18	19	21
30	58	58.1	0.750	69	11	12	13	14	15	16	17	17	18	19	21
30	58	58.2	1.000	73	11	13	14	14	15	16	17	17	19	21	21
30	58	58.5	1.500	81	12	13	14	15	15	17	17	18	20	21	21
30	58	59.8	3.000	105	13	14	15	17	17	17	20	20	21	21	23
30	58	64.8	6.000	155	20	21	21	21	21	23	25	27	27	29	29
30	64	64.1	0.500	72	13	14	15	15	16	16	18	19	19	19	19
30	64	64.1	0.750	75	13	14	15	15	16	16	18	19	19	19	20
30	64	64.2	1.000	79	14	14	15	17	17	17	19	19	19	19	20
30	64	64.5	1.500	87	14	14	15	16	17	18	19	19	19	20	22
30	64	66.0	3.000	111	16	16	17	18	19	19	20	21	22	22	24
30	64	71.6	6.000	162	21	21	21	21	22	24	25	27	27	27	29
30	70	70.1	0.500	78	15	15	16	17	17	19	20	20	20	22	23
30	70	70.1	0.750	81	14	14	15	16	17	17	19	19	19	21	23
30	70	70.2	1.000	85	15	15	15	16	17	19	19	19	19	21	23
30	70	70.5	1.500	93	15	15	16	16	17	19	19	19	20	22	23
30	70	72.2	3.000	117	20	20	20	20	20	21	22	24	24	25	26
30	70	78.3	6.000	168	21	21	22	27	27	27	27	27	29	31	31

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
40	20	20.0	0.500	30	13	16	18	20	22	24	27	28	31	33	36
40	20	20.0	0.750	35	13	16	18	20	22	24	27	30	31	35	36
40	20	20.1	1.000	40	13	16	18	20	22	24	27	30	31	35	36
40	20	20.2	1.500	50	13	16	19	20	23	25	27	30	31	35	37
40	20	20.6	3.000	81	14	16	19	21	24	26	29	30	33	36	39
40	20	22.4	6.000	142	$17_{\delta x>2}$	$20_{\delta x>2}$	$22_{\delta x>2}$	$25_{\delta x>2}$	$28_{\delta x>2}$	$31_{\delta x>2}$	$33_{\delta x>2}$	$36_{\delta x>2}$	$40_{\delta x>2}$	$42_{\delta x>2}$	$48_{\delta x>2}$
40	28	28.0	0.500	38	10	12	13	14	16	17	19	20	22	22	24
40	28	28.1	0.750	43	10	12	13	14	16	17	19	20	22	22	24
40	28	28.1	1.000	48	10	12	13	14	16	17	19	20	21	22	24
40	28	28.2	1.500	58	10	12	13	15	16	17	19	20	22	23	24
40	28	28.9	3.000	89	11	12	14	16	18	18	20	22	22	24	26
40	28	31.3	6.000	151	13	14	16	17	20	20	22	24	27	27	29
40	36	36.0	0.500	46	10	11	12	13	15	15	17	18	19	21	21
40	36	36.1	0.750	51	10	11	12	13	15	15	17	18	19	21	21
40	36	36.1	1.000	56	10	11	12	14	15	16	17	18	19	21	21
40	36	36.3	1.500	66	10	11	12	13	15	17	17	18	19	21	21
40	36	37.1	3.000	97	10	12	13	14	15	16	18	19	21	22	23
40	36	40.2	6.000	160	12	13	15	17	18	19	21	22	24	26	26
40	44	44.0	0.500	54	10	12	13	14	15	16	17	18	19	22	22
40	44	44.1	0.750	59	10	12	13	14	15	16	17	19	19	22	22
40	44	44.2	1.000	64	11	13	13	14	15	17	17	19	20	22	22
40	44	44.3	1.500	74	11	13	13	14	15	17	17	19	21	22	22
40	44	45.4	3.000	105	12	13	14	15	17	17	19	21	21	22	23
40	44	49.2	6.000	169	15	15	17	18	20	21	22	24	26	26	29
40	52	52.0	0.500	62	11	12	13	14	15	16	18	19	21	22	22
40	52	52.1	0.750	67	12	12	13	14	16	16	18	19	21	22	23
40	52	52.2	1.000	72	12	13	13	14	16	16	18	20	21	22	23
40	52	52.4	1.500	82	12	13	14	14	16	17	18	20	21	22	23
40	52	53.6	3.000	114	13	14	14	16	17	19	20	20	22	24	25
40	52	58.1	6.000	178	17	17	18	20	20	22	24	25	26	29	29
40	60	60.1	0.500	70	14	15	16	16	18	18	20	21	22	22	24
40	60	60.1	0.750	75	14	15	16	17	18	19	21	21	22	23	24
40	60	60.2	1.000	80	15	15	17	18	18	19	21	21	22	23	26
40	60	60.5	1.500	90	15	16	17	18	19	21	21	21	23	23	26
40	60	61.8	3.000	122	16	16	18	19	20	21	21	23	25	27	27
40	60	67.1	6.000	187	22	22	22	22	25	25	27	28	29	31	32
40	68	68.1	0.500	78	15	16	17	17	19	20	21	22	24	25	26
40	68	68.1	0.750	83	15	16	17	17	19	20	21	22	24	25	27
40	68	68.2	1.000	88	16	16	17	18	20	21	21	23	25	25	27
40	68	68.5	1.500	99	16	16	17	19	20	21	21	23	25	26	28
40	68	70.1	3.000	130	18	18	19	21	21	22	24	26	27	28	29
40	68	76.0	6.000	196	24	24	25	27	29	30	30	31	33	35	40
40	76	76.1	0.500	86	17	17	19	20	22	23	23	24	26	27	29
40	76	76.1	0.750	91	17	17	19	20	22	23	23	24	26	28	28
40	76	76.3	1.000	96	17	18	19	20	22	23	24	25	26	29	30
40	76	76.6	1.500	107	18	19	19	22	22	23	24	26	28	29	30
40	76	78.3	3.000	138	21	21	22	22	24	25	27	29	29	29	32
40	76	85.0	6.000	205	30	30	30	30	31	31	33	35	41	41	42
40	84	84.1	0.500	94	21	21	23	24	24	25	27	27	28	30	30
40	84	84.2	0.750	99	21	21	24	24	24	25	27	28	29	30	30
40	84	84.3	1.000	104	21	21	23	24	24	27	27	28	29	30	30
40	84	84.7	1.500	115	23	23	23	24	25	27	28	29	30	30	31
40	84	86.6	3.000	147	23	23	23	26	28	29	29	29	31	33	38
40	84	93.9	6.000	214	40	40	41	41	41	41	42	42	42	42	46
40	92	92.1	0.500	102	24	24	25	25	26	27	29	30	31	31	32
40	92	92.2	0.750	107	24	24	25	26	27	29	29	30	30	32	32
40	92	92.3	1.000	112	24	24	24	26	27	29	30	30	30	32	33
40	92	92.7	1.500	123	24	24	24	27	29	30	30	30	32	33	34
40	92	94.8	3.000	155	29	29	29	29	30	30	31	33	38	38	38
40	92	102.9	6.000	223	41	41	41	41	41	41	41	42	46	46	54

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
50	26	26.0	0.500	39	16	18	20	22	25	27	30	31	35	38	40
50	26	26.1	0.750	45	16	18	20	22	25	27	30	32	35	38	40
50	26	26.1	1.000	51	16	18	20	22	25	27	30	33	35	38	40
50	26	26.2	1.500	64	16	18	20	22	25	28	30	33	35	38	44
50	26	26.8	3.000	102	16	18	21	24	26	29	32	34	37	41	45
50	26	29.1	6.000	179	$19_{\delta x>2}$	$21_{\delta x>2}$	$25_{\delta x>2}$	$28_{\delta x>2}$	$32_{\delta x>2}$	$35_{\delta x>2}$	$39_{\delta x>2}$	$40_{\delta x>2}$	$44_{\delta x>2}$	$49_{\delta x>2}$	$54_{\delta x>2}$
50	36	36.0	0.500	49	12	14	16	18	20	22	22	24	27	29	29
50	36	36.1	0.750	55	12	14	16	18	20	22	24	24	27	29	29
50	36	36.1	1.000	61	12	15	17	18	20	22	24	24	27	29	29
50	36	36.3	1.500	74	13	15	17	18	20	22	24	26	27	30	31
50	36	37.1	3.000	112	13	15	17	18	21	22	24	26	29	29	31
50	36	40.2	6.000	190	16	18	20	22	$23_{\delta x>2}$	$25_{\delta x>2}$	$28_{\delta x>2}$	$30_{\delta x>2}$	$33_{\delta x>2}$	$33_{\delta x>2}$	$36_{\delta x>2}$
50	46	46.0	0.500	59	12	14	15	17	18	19	21	21	23	25	25
50	46	46.1	0.750	65	12	14	15	17	18	19	21	21	23	25	25
50	46	46.2	1.000	71	12	13	15	17	18	19	21	23	23	25	27
50	46	46.4	1.500	84	12	13	15	17	19	20	21	23	25	25	27
50	46	47.4	3.000	122	13	15	16	18	20	21	23	24	26	27	29
50	46	51.4	6.000	201	15	17	19	21	23	25	26	28	30	31	33
50	56	56.0	0.500	69	14	15	17	18	19	22	23	24	25	27	29
50	56	56.1	0.750	75	14	15	17	18	19	22	23	24	26	27	29
50	56	56.2	1.000	81	14	15	17	18	19	22	23	24	26	27	29
50	56	56.4	1.500	94	14	15	17	18	21	22	24	24	26	29	29
50	56	57.7	3.000	133	15	17	18	21	21	23	26	26	28	30	31
50	56	62.6	6.000	213	20	23	23	24	26	28	30	31	32	34	36
50	66	66.1	0.500	79	16	17	18	19	21	22	23	25	26	28	30
50	66	66.1	0.750	85	16	17	18	19	21	22	23	25	26	28	30
50	66	66.2	1.000	91	17	18	18	19	21	22	23	25	28	28	30
50	66	66.5	1.500	104	17	18	18	21	21	23	25	25	28	29	30
50	66	68.0	3.000	143	19	20	21	21	24	24	27	28	29	31	34
50	66	73.8	6.000	224	23	24	26	28	30	30	32	34	39	40	41
50	76	76.1	0.500	89	20	21	22	23	24	25	27	27	29	31	31
50	76	76.1	0.750	95	20	21	22	23	24	25	27	28	29	31	31
50	76	76.3	1.000	101	20	21	22	23	24	25	27	28	30	31	31
50	76	76.6	1.500	114	21	21	23	23	25	27	28	28	30	31	33
50	76	78.3	3.000	153	23	23	24	24	26	28	30	30	32	32	34
50	76	85.0	6.000	235	31	31	31	31	31	35	41	41	41	41	41
50	86	86.1	0.500	99	21	22	24	24	26	27	27	29	31	31	32
50	86	86.2	0.750	105	22	23	24	24	26	27	29	30	31	31	34
50	86	86.3	1.000	111	22	23	24	25	26	27	29	31	32	32	34
50	86	86.7	1.500	124	24	24	25	26	27	29	30	31	32	33	36
50	86	88.6	3.000	164	30	30	30	31	31	31	32	35	41	41	41
50	86	96.2	6.000	246	43	43	43	44	44	44	44	44	49	50	54
50	96	96.1	0.500	109	26	26	27	30	31	33	34	35	37	37	42
50	96	96.2	0.750	115	26	26	27	30	32	33	34	35	37	42	43
50	96	96.3	1.000	121	26	26	29	31	32	33	34	35	37	42	43
50	96	96.7	1.500	134	31	31	31	32	32	33	35	37	42	42	43
50	96	99.0	3.000	174	32	32	32	33	34	37	42	42	43	43	44
50	96	107.3	6.000	257	57	57	57	57	57	57	58	59	59	59	60
50	106	106.1	0.500	119	38	38	38	38	38	38	39	41	46	46	46
50	106	106.2	0.750	125	37	37	37	37	37	39	40	45	45	45	45
50	106	106.4	1.000	131	37	37	37	37	37	39	40	45	45	45	46
50	106	106.8	1.500	144	37	37	37	37	39	40	45	45	45	45	45
50	106	109.3	3.000	184	45	45	45	45	45	46	46	46	49	49	50
50	106	118.5	6.000	269	60	60	60	60	60	60	60	60	60	60	61
50	116	116.1	0.500	129	36	36	36	36	37	38	43	43	43	44	44
50	116	116.2	0.750	135	36	36	36	36	37	39	43	43	43	44	48
50	116	116.4	1.000	141	35	35	35	35	37	38	43	43	43	43	47
50	116	116.9	1.500	154	43	43	43	43	43	43	43	43	43	47	47
50	116	119.6	3.000	195	47	47	47	47	47	47	47	51	51	55	58
50	116	129.7	6.000	280	61	61	61	61	61	61	61	61	61	61	75

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
60	30	30.0	0.500	45	19	22	25	28	31	35	38	44	49	49	53
60	30	30.1	0.750	53	19	22	25	28	31	35	38	44	49	49	53
60	30	30.1	1.000	60	19	23	25	28	31	35	38	44	49	49	54
60	30	30.2	1.500	75	20	23	26	29	32	35	38	45	49	49	54
60	30	30.9	3.000	121	20	23	27	30	33	37	41	45	50	54	55
60	30	33.5	6.000	214	$23_{\delta x>2}$	$27_{\delta x>2}$	$31_{\delta x>2}$	$35_{\delta x>2}$	$40_{\delta x>2}$	$44_{\delta x>2}$	$49_{\delta x>2}$	$54_{\delta x>2}$	$58_{\delta x>2}$	$62_{\delta x>2}$	$66_{\delta x>2}$
60	40	40.0	0.500	55	16	18	20	22	24	27	29	32	32	35	38
60	40	40.1	0.750	63	16	18	20	22	25	27	29	32	32	35	38
60	40	40.1	1.000	70	16	18	20	22	25	27	29	32	34	35	38
60	40	40.3	1.500	85	16	18	21	22	25	27	29	32	34	37	38
60	40	41.2	3.000	131	18	19	23	25	27	30	31	34	36	38	44
60	40	44.7	6.000	225	$19_{\delta x>2}$	$22_{\delta x>2}$	$24_{\delta x>2}$	$27_{\delta x>2}$	$30_{\delta x>2}$	$33_{\delta x>2}$	$34_{\delta x>2}$	$37_{\delta x>2}$	$39_{\delta x>2}$	$46_{\delta x>2}$	$47_{\delta x>2}$
60	50	50.0	0.500	65	15	18	19	22	22	24	26	29	30	32	34
60	50	50.1	0.750	73	15	18	19	22	22	24	26	29	30	32	35
60	50	50.2	1.000	80	15	18	19	22	22	24	26	29	31	32	35
60	50	50.4	1.500	95	15	18	20	22	22	24	27	29	31	33	36
60	50	51.5	3.000	142	16	18	21	22	24	26	29	31	32	35	38
60	50	55.9	6.000	236	19	23	24	27	$29_{\delta x>2}$	$32_{\delta x>2}$	$33_{\delta x>2}$	$36_{\delta x>2}$	$38_{\delta x>2}$	$45_{\delta x>2}$	$46_{\delta x>2}$
60	60	60.1	0.500	75	17	18	20	22	23	24	27	29	31	32	34
60	60	60.1	0.750	83	17	18	20	22	23	26	27	29	30	32	34
60	60	60.2	1.000	90	17	19	20	22	24	26	27	29	31	32	34
60	60	60.5	1.500	105	18	19	21	22	24	26	29	30	31	32	34
60	60	61.8	3.000	152	18	20	21	23	26	28	30	31	32	34	35
60	60	67.1	6.000	247	22	23	26	28	30	31	33	36	42	42	43
60	70	70.1	0.500	85	19	20	23	23	25	28	29	31	32	32	34
60	70	70.1	0.750	93	20	20	23	23	25	27	29	31	31	32	34
60	70	70.2	1.000	100	20	20	23	23	25	28	29	32	32	32	34
60	70	70.5	1.500	116	20	21	23	23	26	28	29	32	32	34	36
60	70	72.2	3.000	162	24	24	25	27	29	30	32	34	36	41	41
60	70	78.3	6.000	258	26	32	32	32	33	34	37	43	44	44	45
60	80	80.1	0.500	95	22	24	24	26	27	29	30	32	34	36	36
60	80	80.2	0.750	103	22	24	24	26	27	29	30	32	34	36	40
60	80	80.3	1.000	110	23	24	24	27	29	30	31	32	34	36	40
60	80	80.6	1.500	126	24	24	25	27	29	30	31	34	36	40	41
60	80	82.5	3.000	172	24	26	27	29	30	30	32	36	41	41	41
60	80	89.4	6.000	269	42	42	42	42	43	43	43	44	48	49	53
60	90	90.1	0.500	105	28	29	30	31	33	34	34	36	38	43	43
60	90	90.2	0.750	113	28	29	30	31	33	34	34	36	38	42	43
60	90	90.3	1.000	120	28	29	30	33	34	34	36	38	38	42	43
60	90	90.7	1.500	136	28	30	31	33	34	34	36	38	42	43	43
60	90	92.8	3.000	183	33	34	34	34	36	37	42	43	43	43	43
60	90	100.6	6.000	281	48	48	48	48	48	49	53	53	57	57	61
60	100	100.1	0.500	115	30	30	33	34	35	35	37	39	43	43	43
60	100	100.2	0.750	123	30	31	32	34	35	35	37	39	43	43	43
60	100	100.3	1.000	130	30	31	33	34	35	35	37	39	43	43	43
60	100	100.8	1.500	146	35	35	35	35	36	37	39	43	44	44	44
60	100	103.1	3.000	193	37	37	37	37	40	45	45	46	46	49	50
60	100	111.8	6.000	292	60	60	60	60	60	60	60	60	61	61	62
60	110	110.1	0.500	125	35	35	35	35	35	37	39	44	44	45	45
60	110	110.2	0.750	133	35	36	36	36	36	38	39	44	45	45	45
60	110	110.4	1.000	140	36	36	36	36	38	40	45	45	46	46	46
60	110	110.9	1.500	156	37	37	37	37	39	41	45	46	46	46	50
60	110	113.4	3.000	203	44	44	44	45	45	45	46	50	54	54	58
60	110	123.0	6.000	303	63	63	63	63	63	64	64	64	66	66	71
60	120	120.1	0.500	135	54	54	54	54	54	54	54	54	58	58	58
60	120	120.2	0.750	143	54	54	54	54	54	54	54	54	58	58	61
60	120	120.4	1.000	150	54	54	54	54	54	54	54	54	58	58	61
60	120	120.9	1.500	166	54	54	54	54	54	54	54	57	57	61	61
60	120	123.7	3.000	214	61	61	61	61	62	62	63	64	64	64	64
60	120	134.2	6.000	314	80	80	80	80	80	80	80	80	81	81	81

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span	Chord Depth	Ridge Depth	Top Chord Pitch	Shape Depth	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
ft	in	in	in/ft	in	Joist Self-Weight - Pounds per Linear Foot (**plf**)										
70	36	36.0	0.500	54	21	25	27	32	35	39	45	50	50	54	57
70	36	36.1	0.750	62	21	25	29	32	35	39	45	50	50	54	58
70	36	36.1	1.000	71	22	25	29	32	36	39	45	49	50	54	58
70	36	36.3	1.500	89	22	25	29	32	36	39	45	50	50	54	58
70	36	37.1	3.000	142	23	26	31	34	37	41	47	51	55	59	63
70	36	40.2	6.000	250	$26_{\delta x>2}$	$30_{\delta x>2}$	$35_{\delta x>2}$	$39_{\delta x>2}$	$44_{\delta x>2}$	$50_{\delta x>2}$	$55_{\delta x>2}$	$59_{\delta x>2}$	$63_{\delta x>2}$	$67_{\delta x>2}$	$71_{\delta x>2}$
70	46	46.0	0.500	64	18	22	24	27	30	32	34	36	39	45	47
70	46	46.1	0.750	72	19	22	24	27	30	32	35	37	39	45	47
70	46	46.2	1.000	81	19	22	24	27	30	33	35	37	39	45	47
70	46	46.4	1.500	99	19	23	24	28	30	33	36	38	44	45	47
70	46	47.4	3.000	152	20	23	25	28	31	34	36	39	45	46	48
70	46	51.4	6.000	261	$23_{\delta x>2}$	$26_{\delta x>2}$	$29_{\delta x>2}$	$32_{\delta x>2}$	$35_{\delta x>2}$	$38_{\delta x>2}$	$42_{\delta x>2}$	$47_{\delta x>2}$	$49_{\delta x>2}$	$50_{\delta x>2}$	$56_{\delta x>2}$
70	56	56.0	0.500	74	18	20	22	24	27	30	32	35	37	39	44
70	56	56.1	0.750	82	18	20	22	24	27	30	32	35	37	39	44
70	56	56.2	1.000	91	18	21	22	26	27	30	32	36	37	43	44
70	56	56.4	1.500	109	18	21	23	26	29	31	32	36	38	44	44
70	56	57.7	3.000	163	20	22	24	27	30	33	35	38	43	45	45
70	56	62.6	6.000	273	$23_{\delta x>2}$	$26_{\delta x>2}$	$30_{\delta x>2}$	$32_{\delta x>2}$	$34_{\delta x>2}$	$39_{\delta x>2}$	$45_{\delta x>2}$	$47_{\delta x>2}$	$47_{\delta x>2}$	$49_{\delta x>2}$	$54_{\delta x>2}$
70	66	66.1	0.500	84	18	21	22	24	27	29	30	32	34	37	42
70	66	66.1	0.750	92	18	21	22	24	27	29	30	33	35	37	43
70	66	66.2	1.000	101	19	21	22	26	28	30	30	33	35	42	43
70	66	66.5	1.500	119	19	21	23	26	28	30	30	33	35	42	43
70	66	68.0	3.000	173	22	23	25	28	30	32	34	40	41	42	44
70	66	73.8	6.000	284	26	29	31	31	35	41	42	43	$44_{\delta x>2}$	50	$51_{\delta x>2}$
70	76	76.1	0.500	94	21	24	24	26	28	31	32	32	35	37	42
70	76	76.1	0.750	102	22	24	24	27	30	32	32	34	36	37	42
70	76	76.3	1.000	111	23	24	25	27	30	32	32	34	37	42	42
70	76	76.6	1.500	129	23	24	25	27	30	32	32	34	37	42	42
70	76	78.3	3.000	183	25	26	28	29	32	33	36	36	42	43	43
70	76	85.0	6.000	295	33	34	34	36	38	44	46	47	51	51	56
70	86	86.1	0.500	104	25	26	27	29	31	34	35	36	38	43	44
70	86	86.2	0.750	112	25	27	28	29	31	35	35	36	38	43	44
70	86	86.3	1.000	121	26	27	28	30	31	35	36	38	38	43	44
70	86	86.7	1.500	139	27	27	29	31	32	35	36	38	43	44	44
70	86	88.6	3.000	194	33	33	33	33	37	41	42	42	42	47	47
70	86	96.2	6.000	306	47	47	48	48	48	49	53	57	58	62	62
70	96	96.1	0.500	114	33	35	37	38	38	40	42	46	47	47	47
70	96	96.2	0.750	122	33	36	37	38	38	42	46	46	47	47	47
70	96	96.3	1.000	131	33	36	37	38	40	42	46	46	47	47	51
70	96	96.7	1.500	149	38	38	38	38	40	42	46	47	47	47	51
70	96	99.0	3.000	204	38	38	39	41	46	47	47	47	51	51	55
70	96	107.3	6.000	317	61	61	61	61	61	61	62	62	62	63	63
70	106	106.1	0.500	124	40	40	40	41	42	44	49	49	49	49	53
70	106	106.2	0.750	132	40	40	40	41	42	44	49	49	49	49	53
70	106	106.4	1.000	141	40	40	40	40	44	48	49	49	49	49	53
70	106	106.8	1.500	159	41	41	41	43	45	49	50	50	50	53	54
70	106	109.3	3.000	214	49	49	49	49	49	49	49	53	53	57	61
70	106	118.5	6.000	329	69	69	69	69	69	69	70	70	71	71	76
70	116	116.1	0.500	134	42	42	43	44	46	50	51	51	51	55	55
70	116	116.2	0.750	142	43	43	43	44	46	50	51	51	51	55	55
70	116	116.4	1.000	151	42	42	43	44	50	50	50	51	55	55	58
70	116	116.9	1.500	169	50	50	50	50	50	50	51	51	55	55	59
70	116	119.6	3.000	225	51	51	51	51	51	52	56	59	59	63	63
70	116	129.7	6.000	340	74	74	74	74	75	75	75	75	75	89	90
70	126	126.1	0.500	144	49	49	49	49	49	49	49	49	53	54	57
70	126	126.2	0.750	152	49	49	49	49	49	49	49	49	53	54	57
70	126	126.4	1.000	161	49	49	49	49	49	49	49	53	53	57	57
70	126	127.0	1.500	179	49	49	49	49	49	49	53	54	57	57	61
70	126	129.9	3.000	235	63	63	63	63	63	63	63	64	64	64	64
70	126	140.9	6.000	351	88	88	88	89	89	89	89	89	89	89	89

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
80	40	40.0	0.500	60	25	29	33	37	45	49	50	54	61	65	69
80	40	40.1	0.750	70	25	29	33	37	45	49	50	57	61	65	69
80	40	40.1	1.000	80	25	30	33	37	45	50	50	57	61	65	69
80	40	40.3	1.500	100	26	30	35	39	45	50	54	58	62	65	69
80	40	41.2	3.000	161	$27_{\delta x>2}$	$31_{\delta x>2}$	$36_{\delta x>2}$	$40_{\delta x>2}$	$45_{\delta x>2}$	51	$55_{\delta x>2}$	59	$63_{\delta x>2}$	$67_{\delta x>2}$	$74_{\delta x>2}$
80	40	44.7	6.000	285	$30_{\delta x>2}$	$36_{\delta x>2}$	$41_{\delta x>2}$	$49_{\delta x>2}$	$54_{\delta x>2}$	$59_{\delta x>2}$	$63_{\delta x>2}$	$67_{\delta x>2}$	$75_{\delta x>2}$	$78_{\delta x>2}$	$84_{\delta x>2}$
80	50	50.0	0.500	70	22	25	28	31	34	38	45	47	51	52	56
80	50	50.1	0.750	80	22	25	28	33	35	39	45	47	51	55	56
80	50	50.2	1.000	90	22	25	28	33	35	39	45	47	51	55	56
80	50	50.4	1.500	110	23	25	29	33	36	39	45	47	52	56	56
80	50	51.5	3.000	172	24	27	30	33	35	38	46	48	48	57	57
80	50	55.9	6.000	296	$28_{\delta x>2}$	$31_{\delta x>2}$	$33_{\delta x>2}$	$37_{\delta x>2}$	$40_{\delta x>2}$	$47_{\delta x>2}$	$49_{\delta x>2}$	$50_{\delta x>2}$	$56_{\delta x>2}$	$61_{\delta x>2}$	$65_{\delta x>2}$
80	60	60.1	0.500	80	22	24	27	30	32	36	39	44	45	46	48
80	60	60.1	0.750	90	22	24	27	30	32	36	39	44	45	47	48
80	60	60.2	1.000	100	22	24	27	30	33	36	39	44	45	47	48
80	60	60.5	1.500	120	22	25	27	30	33	36	39	44	45	47	52
80	60	61.8	3.000	182	22	27	29	31	35	38	43	45	46	51	53
80	60	67.1	6.000	307	$27_{\delta x>2}$	$29_{\delta x>2}$	$32_{\delta x>2}$	$35_{\delta x>2}$	$43_{\delta x>2}$	$46_{\delta x>2}$	$46_{\delta x>2}$	$48_{\delta x>2}$	$54_{\delta x>2}$	$55_{\delta x>2}$	$61_{\delta x>2}$
80	70	70.1	0.500	90	22	23	26	29	31	34	37	43	43	45	46
80	70	70.1	0.750	100	23	24	26	29	31	34	37	43	43	45	46
80	70	70.2	1.000	110	23	24	26	29	31	34	37	43	43	45	46
80	70	70.5	1.500	131	23	24	27	30	31	34	37	43	43	45	46
80	70	72.2	3.000	192	25	26	29	31	35	41	42	44	44	50	51
80	70	78.3	6.000	318	32	$32_{\delta x>2}$	$34_{\delta x>2}$	$38_{\delta x>2}$	$45_{\delta x>2}$	$46_{\delta x>2}$	$47_{\delta x>2}$	$53_{\delta x>2}$	$55_{\delta x>2}$	$59_{\delta x>2}$	$61_{\delta x>2}$
80	80	80.1	0.500	100	25	27	28	30	33	35	37	42	44	45	46
80	80	80.2	0.750	110	25	27	28	31	34	35	37	42	44	45	46
80	80	80.3	1.000	120	26	27	30	32	34	35	37	42	44	45	47
80	80	80.6	1.500	141	26	28	30	32	35	37	42	43	44	45	50
80	80	82.5	3.000	202	26	29	31	33	37	42	42	42	44	49	50
80	80	89.4	6.000	329	43	44	44	45	45	45	50	$55_{\delta x>2}$	$56_{\delta x>2}$	$60_{\delta x>2}$	$62_{\delta x>2}$
80	90	90.1	0.500	110	29	31	33	34	35	36	38	43	43	45	47
80	90	90.2	0.750	120	29	32	33	34	36	38	43	43	43	45	50
80	90	90.3	1.000	130	29	32	33	35	36	38	43	43	44	45	51
80	90	90.7	1.500	151	30	32	35	35	36	38	43	43	44	45	51
80	90	92.8	3.000	213	34	35	35	37	43	44	44	44	48	50	54
80	90	100.6	6.000	341	50	51	51	52	52	56	57	61	65	66	66
80	100	100.1	0.500	120	34	36	38	39	41	42	47	47	47	48	52
80	100	100.2	0.750	130	34	36	38	39	41	47	47	47	47	51	52
80	100	100.3	1.000	140	34	37	38	39	42	47	47	47	48	51	52
80	100	100.8	1.500	161	38	38	38	40	42	47	47	47	51	51	52
80	100	103.1	3.000	223	42	42	44	46	51	51	51	56	56	60	60
80	100	111.8	6.000	352	65	65	66	66	66	67	67	67	68	68	68
80	110	110.1	0.500	130	40	41	41	42	44	48	48	49	49	53	53
80	110	110.2	0.750	140	40	41	41	42	44	48	48	49	53	53	53
80	110	110.4	1.000	150	40	41	41	42	48	48	48	49	53	53	57
80	110	110.9	1.500	171	40	41	41	44	48	48	48	52	53	56	57
80	110	113.4	3.000	233	55	55	55	55	56	59	59	63	67	67	67
80	110	123.0	6.000	363	70	71	71	71	71	71	71	71	76	77	86
80	120	120.1	0.500	140	57	57	57	57	57	57	58	62	62	66	66
80	120	120.2	0.750	150	57	57	57	57	57	57	58	62	66	66	70
80	120	120.4	1.000	160	57	57	57	57	57	57	61	62	66	66	70
80	120	120.9	1.500	181	57	57	57	57	57	57	61	65	66	70	70
80	120	123.7	3.000	244	69	69	69	69	70	70	70	70	70	70	70
80	120	134.2	6.000	374	86	86	86	86	86	86	87	87	87	87	87
80	130	130.1	0.375	145	51	51	52	58	58	58	59	63	63	67	68
80	130	130.2	0.625	155	58	58	58	58	58	58	58	62	62	67	67
80	130	130.3	0.875	165	58	58	58	58	58	58	58	63	66	67	71
80	130	130.7	1.250	181	58	58	58	58	58	58	62	63	67	67	71
80	130	131.8	2.000	212	60	60	60	60	60	72	72	72	73	73	73
80	130	137.0	4.000	297	71	72	72	72	72	72	72	72	72	72	77

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span	Chord Depth	Ridge Depth	Top Chord Pitch	Shape Depth	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
ft	in	in	in/ft	in	Joist Self-Weight - Pounds per Linear Foot (**plf**)										
90	46	46.0	0.500	69	28	32	36	41	46	50	54	58	62	69	73
90	46	46.1	0.750	80	28	32	36	41	46	50	54	58	65	69	73
90	46	46.2	1.000	91	28	32	36	41	46	51	55	59	66	69	73
90	46	46.4	1.500	114	28	32	36	45	46	51	55	59	66	70	74
90	46	47.4	3.000	182	$30_{\delta x>2}$	$33_{\delta x>2}$	$39_{\delta x>2}$	$45_{\delta x>2}$	$51_{\delta x>2}$	$51_{\delta x>2}$	$59_{\delta x>2}$	$63_{\delta x>2}$	$67_{\delta x>2}$	$71_{\delta x>2}$	$79_{\delta x>2}$
90	46	51.4	6.000	321	$34_{\delta x>2}$	$38_{\delta x>2}$	$45_{\delta x>2}$	$50_{\delta x>2}$	$55_{\delta x>2}$	$63_{\delta x>2}$	$67_{\delta x>2}$	$71_{\delta x>2}$	$79_{\delta x>2}$	$84_{\delta x>2}$	$89_{\delta x>2}$
90	56	56.0	0.500	79	24	29	33	36	39	45	47	52	56	56	63
90	56	56.1	0.750	90	24	29	33	36	39	45	47	56	56	60	63
90	56	56.2	1.000	101	25	29	33	36	39	46	48	56	56	60	64
90	56	56.4	1.500	124	26	30	33	36	44	46	48	56	56	60	64
90	56	57.7	3.000	193	27	30	34	39	45	47	49	57	58	62	66
90	56	62.6	6.000	333	$33_{\delta x>2}$	$34_{\delta x>2}$	$40_{\delta x>2}$	$48_{\delta x>2}$	$49_{\delta x>2}$	$51_{\delta x>2}$	$57_{\delta x>2}$	$66_{\delta x>2}$	$66_{\delta x>2}$	$71_{\delta x>2}$	$75_{\delta x>2}$
90	66	66.1	0.500	89	25	27	30	33	38	43	45	47	49	56	57
90	66	66.1	0.750	100	25	27	30	33	38	44	45	47	52	57	57
90	66	66.2	1.000	111	25	27	32	33	38	44	45	47	52	57	60
90	66	66.5	1.500	134	24	27	32	34	38	44	45	47	53	57	61
90	66	68.0	3.000	203	26	29	32	37	43	45	46	52	54	58	62
90	66	73.8	6.000	344	$31_{\delta x>2}$	$35_{\delta x>2}$	$38_{\delta x>2}$	$45_{\delta x>2}$	$47_{\delta x>2}$	$49_{\delta x>2}$	$54_{\delta x>2}$	$60_{\delta x>2}$	$62_{\delta x>2}$	$67_{\delta x>2}$	$71_{\delta x>2}$
90	76	76.1	0.500	99	24	28	30	33	36	39	46	46	47	53	54
90	76	76.1	0.750	110	24	28	30	33	36	39	46	46	47	53	54
90	76	76.3	1.000	121	24	28	30	34	36	39	46	46	47	53	54
90	76	76.6	1.500	144	26	28	32	34	38	44	46	46	48	53	55
90	76	78.3	3.000	213	28	30	32	36	43	45	47	47	52	54	60
90	76	85.0	6.000	355	$34_{\delta x>2}$	$36_{\delta x>2}$	$40_{\delta x>2}$	$46_{\delta x>2}$	$47_{\delta x>2}$	$54_{\delta x>2}$	$55_{\delta x>2}$	$59_{\delta x>2}$	$61_{\delta x>2}$	$66_{\delta x>2}$	$69_{\delta x>2}$
90	86	86.1	0.500	109	26	28	30	34	35	37	43	44	46	51	52
90	86	86.2	0.750	120	27	28	31	34	35	37	43	44	46	50	52
90	86	86.3	1.000	131	27	28	31	34	37	42	43	44	46	50	52
90	86	86.7	1.500	154	27	30	31	35	37	42	43	45	50	51	52
90	86	88.6	3.000	224	34	34	36	42	42	43	48	50	54	55	60
90	86	96.2	6.000	366	49	49	49	50	54	59	$59_{\delta x>2}$	$63_{\delta x>2}$	$64_{\delta x>2}$	$65_{\delta x>2}$	$70_{\delta x>2}$
90	96	96.0	0.375	113	37	38	40	41	43	48	48	49	53	53	57
90	96	96.1	0.625	124	37	39	40	41	43	48	48	49	53	53	57
90	96	96.3	0.875	136	37	39	40	41	47	48	48	49	53	53	57
90	96	96.5	1.250	153	37	40	40	43	48	48	48	53	53	57	57
90	96	97.3	2.000	187	40	40	42	43	48	48	49	53	54	57	61
90	96	101.2	4.000	281	49	49	49	50	51	55	55	59	63	64	64
90	106	106.1	0.375	123	42	42	42	45	50	51	51	51	55	55	59
90	106	106.1	0.625	134	42	42	42	45	50	50	51	54	55	58	59
90	106	106.3	0.875	146	42	42	44	45	50	50	51	54	55	59	59
90	106	106.6	1.250	163	42	42	44	46	50	51	51	54	55	58	63
90	106	107.5	2.000	197	43	43	46	51	51	51	55	55	59	59	63
90	106	111.7	4.000	292	51	52	52	52	56	57	61	65	65	65	66
90	116	116.1	0.375	133	48	48	50	52	56	56	56	60	60	64	64
90	116	116.2	0.625	144	48	48	50	56	56	56	56	60	64	64	68
90	116	116.3	0.875	156	48	48	51	56	56	56	60	60	63	64	68
90	116	116.6	1.250	173	48	48	56	56	56	56	60	60	64	68	68
90	116	117.6	2.000	208	56	56	56	56	56	60	60	64	68	68	68
90	116	122.3	4.000	302	68	69	69	69	69	69	69	69	70	75	75
90	126	126.1	0.375	143	50	50	58	58	58	58	62	62	65	65	69
90	126	126.2	0.625	154	57	58	58	58	58	58	62	62	65	69	69
90	126	126.3	0.875	166	57	58	58	58	58	58	62	65	65	69	69
90	126	126.7	1.250	183	58	58	58	58	58	62	62	65	69	69	69
90	126	127.7	2.000	218	58	58	58	58	62	62	65	69	69	69	69
90	126	132.8	4.000	313	70	70	70	70	70	70	70	70	71	76	76
90	136	136.1	0.375	153	53	53	61	61	61	61	65	65	68	68	72
90	136	136.2	0.625	164	60	60	60	60	60	60	64	64	67	67	71
90	136	136.4	0.875	176	60	60	60	60	60	60	64	67	67	71	71
90	136	136.7	1.250	193	60	60	60	60	60	64	64	67	71	71	71
90	136	137.9	2.000	228	70	70	70	71	71	71	71	71	71	71	72
90	136	143.4	4.000	323	72	72	72	72	72	72	72	72	73	78	78

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
100	50	50.0	0.500	75	32	36	44	50	54	58	62	66	73	78	82
100	50	50.1	0.750	88	32	36	44	50	54	58	62	69	73	78	90
100	50	50.2	1.000	100	32	36	44	50	54	58	62	69	73	78	91
100	50	50.4	1.500	125	32	36	44	50	55	58	62	70	73	82	91
100	50	51.5	3.000	202	$33_{\delta x>2}$	$39_{\delta x>2}$	$45_{\delta x>2}$	$51_{\delta x>2}$	$56_{\delta x>2}$	$60_{\delta x>2}$	$67_{\delta x>2}$	$71_{\delta x>2}$	$79_{\delta x>2}$	$84_{\delta x>2}$	$93_{\delta x>2}$
100	50	55.9	6.000	356	$38_{\delta x>2}$	$46_{\delta x>2}$	$50_{\delta x>2}$	$60_{\delta x>2}$	$63_{\delta x>2}$	$72_{\delta x>2}$	$76_{\delta x>2}$	$84_{\delta x>2}$	$90_{\delta x>2}$	$99_{\delta x>2}$	$107_{\delta x>2}$
100	58	58.1	0.500	83	29	33	36	45	47	52	56	60	63	67	70
100	58	58.1	0.750	96	30	33	38	45	47	52	56	60	63	67	71
100	58	58.2	1.000	108	30	33	38	45	47	55	56	60	64	67	71
100	58	58.5	1.500	133	30	35	38	46	47	56	56	60	64	67	71
100	58	59.8	3.000	210	$31_{\delta x>2}$	$36_{\delta x>2}$	$39_{\delta x>2}$	$46_{\delta x>2}$	$48_{\delta x>2}$	$57_{\delta x>2}$	$57_{\delta x>2}$	$61_{\delta x>2}$	$69_{\delta x>2}$	$69_{\delta x>2}$	$77_{\delta x>2}$
100	58	64.8	6.000	365	$35_{\delta x>2}$	$45_{\delta x>2}$	$47_{\delta x>2}$	$50_{\delta x>2}$	$56_{\delta x>2}$	$65_{\delta x>2}$	$65_{\delta x>2}$	$70_{\delta x>2}$	$74_{\delta x>2}$	$80_{\delta x>2}$	$84_{\delta x>2}$
100	66	66.0	0.375	85	28	32	36	39	45	48	53	57	61	65	68
100	66	66.1	0.625	97	28	33	36	39	45	48	57	57	61	65	69
100	66	66.2	0.875	110	28	33	36	39	45	48	57	57	61	65	69
100	66	66.4	1.250	129	28	33	36	40	46	49	57	57	62	65	69
100	66	66.9	2.000	167	30	33	36	44	46	49	57	58	62	69	70
100	66	69.6	4.000	270	$32_{\delta x>2}$	$36_{\delta x>2}$	$40_{\delta x>2}$	$46_{\delta x>2}$	$48_{\delta x>2}$	$55_{\delta x>2}$	$60_{\delta x>2}$	$64_{\delta x>2}$	$68_{\delta x>2}$	$72_{\delta x>2}$	$73_{\delta x>2}$
100	74	74.0	0.375	93	27	31	34	38	45	46	48	53	58	61	62
100	74	74.1	0.625	105	27	31	34	38	45	46	48	53	58	62	65
100	74	74.2	0.875	118	27	32	35	38	45	46	48	53	58	62	65
100	74	74.4	1.250	137	27	32	35	38	45	46	51	53	62	62	65
100	74	75.0	2.000	175	29	32	35	43	45	47	52	53	62	62	66
100	74	78.0	4.000	278	$31_{\delta x>2}$	$34_{\delta x>2}$	$38_{\delta x>2}$	$45_{\delta x>2}$	$46_{\delta x>2}$	$52_{\delta x>2}$	$53_{\delta x>2}$	$59_{\delta x>2}$	$64_{\delta x>2}$	$68_{\delta x>2}$	$68_{\delta x>2}$
100	82	82.0	0.375	101	28	32	34	38	44	46	48	53	54	63	63
100	82	82.1	0.625	113	29	32	34	38	44	46	48	53	55	62	63
100	82	82.2	0.875	126	29	34	34	38	44	46	48	53	55	63	63
100	82	82.4	1.250	145	29	34	36	38	44	46	48	53	55	63	67
100	82	83.1	2.000	183	31	34	36	43	45	47	52	54	59	63	67
100	82	86.4	4.000	286	33	37	39	45	47	53	$54_{\delta x>2}$	$59_{\delta x>2}$	65	69	70
100	90	90.0	0.375	109	31	34	34	37	43	45	47	51	52	57	59
100	90	90.1	0.625	121	31	34	36	37	43	45	47	51	52	57	59
100	90	90.2	0.875	134	31	34	36	37	43	45	47	51	52	57	62
100	90	90.5	1.250	153	33	34	36	42	43	45	50	51	55	57	63
100	90	91.2	2.000	191	33	34	37	42	44	45	51	51	56	61	63
100	90	94.9	4.000	295	36	38	45	46	47	53	58	60	65	67	67
100	98	98.0	0.375	117	39	40	41	43	48	49	49	53	53	57	62
100	98	98.1	0.625	129	39	40	41	43	48	49	49	53	57	57	62
100	98	98.3	0.875	142	39	40	41	48	49	49	53	53	57	57	62
100	98	98.5	1.250	161	40	40	43	48	49	49	53	53	57	61	62
100	98	99.4	2.000	199	40	41	43	48	49	53	53	57	57	61	63
100	98	103.3	4.000	303	48	49	49	49	54	54	58	62	63	63	69
100	106	106.1	0.375	125	41	42	43	50	50	50	54	54	58	58	62
100	106	106.1	0.625	137	41	41	43	50	50	50	54	54	58	58	62
100	106	106.3	0.875	150	41	41	45	50	50	50	54	54	58	58	62
100	106	106.6	1.250	169	42	42	45	50	50	50	54	58	58	62	63
100	106	107.5	2.000	207	42	44	50	51	51	55	55	59	63	63	63
100	106	111.7	4.000	312	51	52	52	52	56	61	65	65	66	66	71
100	114	114.1	0.375	133	50	50	53	58	58	58	62	62	66	70	70
100	114	114.2	0.625	145	50	52	53	58	58	58	62	66	66	70	70
100	114	114.3	0.875	158	50	52	53	58	58	62	62	66	66	70	71
100	114	114.6	1.250	177	50	52	58	58	58	62	62	66	70	70	71
100	114	115.6	2.000	216	58	58	58	58	62	62	66	70	70	71	71
100	114	120.2	4.000	320	72	72	72	73	73	73	74	74	80	80	89
100	122	122.1	0.375	141	49	51	57	58	58	62	62	66	69	69	69
100	122	122.2	0.625	153	57	57	57	58	58	62	62	66	69	69	70
100	122	122.3	0.875	166	57	57	57	58	58	62	65	66	69	69	70
100	122	122.7	1.250	185	57	57	57	58	62	62	65	69	69	69	70
100	122	123.7	2.000	224	57	57	57	58	62	66	69	69	69	69	74
100	122	128.6	4.000	329	74	74	74	74	75	75	76	76	81	82	90

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
110	56	56.0	0.375	77	35	40	46	51	55	63	67	74	79	83	92
110	56	56.1	0.625	90	35	40	47	51	55	63	70	74	79	83	92
110	56	56.1	0.875	104	36	40	47	51	56	63	70	74	79	83	92
110	56	56.3	1.250	125	36	40	47	52	56	63	70	74	79	84	92
110	56	56.8	2.000	167	36	45	47	56	60	64	71	75	80	92	93
110	56	59.0	4.000	279	$39_{\delta x>2}$	$45_{\delta x>2}$	$49_{\delta x>2}$	$57_{\delta x>2}$	$62_{\delta x>2}$	$69_{\delta x>2}$	$74_{\delta x>2}$	$82_{\delta x>2}$	$87_{\delta x>2}$	$95_{\delta x>2}$	$103_{\delta x>2}$
110	64	64.0	0.375	85	32	36	44	47	56	56	63	67	71	76	79
110	64	64.1	0.625	98	32	38	44	47	56	56	63	67	71	76	80
110	64	64.2	0.875	112	32	38	44	48	56	56	64	67	72	76	80
110	64	64.3	1.250	133	32	38	44	48	56	56	64	68	72	76	80
110	64	64.9	2.000	175	34	38	45	48	56	57	61	68	72	77	81
110	64	67.5	4.000	287	$35_{\delta x>2}$	$45_{\delta x>2}$	$46_{\delta x>2}$	$50_{\delta x>2}$	$58_{\delta x>2}$	$63_{\delta x>2}$	$67_{\delta x>2}$	$71_{\delta x>2}$	$79_{\delta x>2}$	$80_{\delta x>2}$	$92_{\delta x>2}$
110	72	72.0	0.375	93	32	36	40	46	49	57	58	62	69	69	73
110	72	72.1	0.625	106	32	36	40	46	49	57	58	62	69	69	73
110	72	72.2	0.875	120	32	36	40	46	49	57	58	62	69	69	78
110	72	72.4	1.250	141	32	37	44	46	49	58	62	62	69	70	78
110	72	73.0	2.000	183	33	37	45	46	50	58	62	63	70	70	79
110	72	75.9	4.000	296	$35_{\delta x>2}$	$45_{\delta x>2}$	$47_{\delta x>2}$	$48_{\delta x>2}$	$55_{\delta x>2}$	$64_{\delta x>2}$	$64_{\delta x>2}$	$69_{\delta x>2}$	$72_{\delta x>2}$	$78_{\delta x>2}$	$82_{\delta x>2}$
110	80	80.0	0.375	101	33	35	39	45	47	52	54	61	62	66	70
110	80	80.1	0.625	114	33	35	39	45	47	52	54	61	65	66	70
110	80	80.2	0.875	128	33	35	39	45	46	52	54	62	65	66	70
110	80	80.4	1.250	149	33	35	39	45	47	52	54	62	66	66	70
110	80	81.1	2.000	191	33	35	44	45	47	53	58	62	66	66	75
110	80	84.3	4.000	304	$36_{\delta x>2}$	$43_{\delta x>2}$	$45_{\delta x>2}$	$47_{\delta x>2}$	$52_{\delta x>2}$	$58_{\delta x>2}$	$60_{\delta x>2}$	$68_{\delta x>2}$	$69_{\delta x>2}$	$74_{\delta x>2}$	$78_{\delta x>2}$
110	88	88.0	0.375	109	34	34	38	45	47	48	53	59	63	67	68
110	88	88.1	0.625	122	34	34	38	45	47	52	53	59	63	67	68
110	88	88.2	0.875	136	34	36	39	45	47	52	53	59	63	67	68
110	88	88.5	1.250	157	34	36	39	45	47	52	54	59	67	68	68
110	88	89.2	2.000	199	35	36	44	45	47	52	58	60	67	68	69
110	88	92.8	4.000	313	37	$44_{\delta x>2}$	$45_{\delta x>2}$	$47_{\delta x>2}$	$53_{\delta x>2}$	$58_{\delta x>2}$	$60_{\delta x>2}$	$66_{\delta x>2}$	$70_{\delta x>2}$	$76_{\delta x>2}$	$76_{\delta x>2}$
110	96	96.0	0.375	117	39	41	43	47	48	52	52	58	59	67	68
110	96	96.1	0.625	131	39	41	43	47	48	52	52	57	63	67	68
110	96	96.3	0.875	144	39	41	47	47	48	52	52	57	63	67	68
110	96	96.5	1.250	165	39	41	47	47	48	52	56	58	63	67	68
110	96	97.3	2.000	207	40	43	47	48	52	52	56	62	63	68	73
110	96	101.2	4.000	321	50	50	51	55	56	60	$64_{\delta x>2}$	$66_{\delta x>2}$	$69_{\delta x>2}$	78	$78_{\delta x>2}$
110	104	104.1	0.375	125	41	43	49	49	49	53	54	57	63	65	65
110	104	104.1	0.625	139	41	43	49	49	49	53	54	57	63	65	65
110	104	104.3	0.875	152	41	42	49	49	49	53	57	57	63	65	65
110	104	104.6	1.250	173	41	44	49	49	53	53	57	61	63	65	65
110	104	105.4	2.000	215	42	44	49	49	53	57	58	61	63	65	70
110	104	109.6	4.000	330	50	50	51	55	59	63	63	64	70	72	81
110	112	112.1	0.375	133	50	51	57	57	58	62	62	66	70	70	71
110	112	112.2	0.625	147	50	53	57	58	58	62	66	66	70	70	71
110	112	112.3	0.875	160	50	53	57	58	58	62	66	66	70	71	71
110	112	112.6	1.250	181	50	53	57	58	62	62	66	70	70	71	75
110	112	113.5	2.000	224	58	58	58	58	62	66	70	70	71	71	76
110	112	118.1	4.000	338	71	71	71	71	71	72	72	73	78	78	87
110	120	120.1	0.375	141	51	54	59	59	63	63	66	71	71	72	72
110	120	120.2	0.625	155	59	59	59	59	63	63	67	71	71	72	72
110	120	120.3	0.875	168	59	59	59	59	63	63	67	71	72	72	77
110	120	120.6	1.250	189	59	59	59	59	63	67	67	71	72	72	77
110	120	121.7	2.000	232	59	59	59	63	63	67	71	71	72	78	78
110	120	126.5	4.000	346	73	73	73	74	74	74	75	80	81	90	90
110	128	128.1	0.375	149	52	60	60	60	60	64	68	69	72	73	73
110	128	128.2	0.625	163	60	60	60	60	64	64	68	72	72	73	74
110	128	128.3	0.875	176	60	60	60	60	64	64	68	72	72	73	74
110	128	128.7	1.250	197	60	60	60	60	64	68	68	72	73	73	78
110	128	129.8	2.000	240	62	62	62	66	66	73	74	74	75	80	80
110	128	134.9	4.000	355	74	74	74	74	75	75	76	81	82	91	91

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
120	60	60.0	0.375	83	39	47	52	56	63	71	74	83	92	100	101
120	60	60.1	0.625	98	39	47	52	56	63	71	74	83	92	100	101
120	60	60.2	0.875	113	39	47	52	56	63	71	79	83	92	100	101
120	60	60.3	1.250	135	39	47	52	56	63	71	79	84	92	100	101
120	60	60.8	2.000	181	44	47	56	60	64	71	80	84	93	101	113
120	60	63.2	4.000	303	$45_{\delta x>2}$	$49_{\delta x>2}$	$58_{\delta x>2}$	$62_{\delta x>2}$	$70_{\delta x>2}$	$77_{\delta x>2}$	$82_{\delta x>2}$	$95_{\delta x>2}$	$103_{\delta x>2}$	$104_{\delta x>2}$	$116_{\delta x>2}$
120	68	68.0	0.375	91	35	44	48	56	56	64	68	71	80	80	92
120	68	68.1	0.625	106	35	44	48	56	56	64	68	72	80	80	92
120	68	68.2	0.875	121	35	44	48	56	57	64	68	72	80	88	93
120	68	68.4	1.250	143	37	44	48	56	60	64	68	72	80	88	93
120	68	68.9	2.000	189	37	45	48	57	61	68	69	77	78	89	94
120	68	71.7	4.000	312	$46_{\delta x>2}$	$47_{\delta x>2}$	$55_{\delta x>2}$	$60_{\delta x>2}$	$64_{\delta x>2}$	$72_{\delta x>2}$	$73_{\delta x>2}$	$81_{\delta x>2}$	$85_{\delta x>2}$	$94_{\delta x>2}$	$98_{\delta x>2}$
120	76	76.0	0.375	99	34	40	46	50	57	58	65	69	72	78	81
120	76	76.1	0.625	114	35	40	46	50	57	58	65	69	73	78	81
120	76	76.2	0.875	129	35	40	46	50	57	62	65	69	73	78	82
120	76	76.4	1.250	151	35	40	46	50	58	62	66	69	73	78	82
120	76	77.0	2.000	197	36	45	46	50	58	62	69	70	74	79	90
120	76	80.1	4.000	320	$44_{\delta x>2}$	$47_{\delta x>2}$	$48_{\delta x>2}$	$56_{\delta x>2}$	$64_{\delta x>2}$	$68_{\delta x>2}$	$72_{\delta x>2}$	$78_{\delta x>2}$	$82_{\delta x>2}$	$91_{\delta x>2}$	$94_{\delta x>2}$
120	84	84.0	0.375	107	33	39	45	47	53	58	62	66	70	70	78
120	84	84.1	0.625	122	33	39	45	47	53	58	62	66	69	70	78
120	84	84.2	0.875	137	33	39	45	47	54	58	62	66	70	75	78
120	84	84.5	1.250	159	35	39	46	47	54	62	62	66	70	75	79
120	84	85.2	2.000	205	35	44	46	47	54	62	63	67	70	75	79
120	84	88.5	4.000	329	$43_{\delta x>2}$	$46_{\delta x>2}$	$52_{\delta x>2}$	$53_{\delta x>2}$	$60_{\delta x>2}$	$68_{\delta x>2}$	$69_{\delta x>2}$	$74_{\delta x>2}$	$78_{\delta x>2}$	$87_{\delta x>2}$	$91_{\delta x>2}$
120	92	92.0	0.375	115	35	39	45	47	50	55	63	64	68	72	77
120	92	92.1	0.625	130	35	39	45	47	53	55	63	67	68	72	77
120	92	92.2	0.875	145	35	39	46	47	53	55	63	67	68	72	77
120	92	92.5	1.250	167	36	39	46	47	53	55	63	67	68	72	77
120	92	93.3	2.000	213	36	44	46	47	54	59	64	68	69	77	77
120	92	97.0	4.000	337	49	$50_{\delta x>2}$	$54_{\delta x>2}$	$55_{\delta x>2}$	$60_{\delta x>2}$	$65_{\delta x>2}$	$70_{\delta x>2}$	$76_{\delta x>2}$	$77_{\delta x>2}$	$90_{\delta x>2}$	$90_{\delta x>2}$
120	100	100.0	0.375	123	41	42	49	49	49	55	60	65	69	69	78
120	100	100.1	0.625	138	41	44	49	49	53	55	60	68	69	69	78
120	100	100.3	0.875	153	41	44	49	49	53	55	60	68	69	70	78
120	100	100.5	1.250	176	42	44	49	49	53	55	60	69	69	70	78
120	100	101.4	2.000	221	43	49	50	50	54	59	65	69	70	75	79
120	100	105.4	4.000	345	51	52	56	$60_{\delta x>2}$	$64_{\delta x>2}$	$66_{\delta x>2}$	$68_{\delta x>2}$	$77_{\delta x>2}$	$78_{\delta x>2}$	$87_{\delta x>2}$	$91_{\delta x>2}$
120	108	108.1	0.375	131	42	45	50	50	54	54	59	64	69	69	75
120	108	108.1	0.625	146	42	45	50	50	54	54	59	65	69	69	75
120	108	108.3	0.875	161	43	45	50	50	54	58	59	65	69	70	75
120	108	108.6	1.250	184	43	49	50	50	54	58	59	65	69	74	75
120	108	109.5	2.000	229	45	50	50	54	54	58	63	65	65	74	76
120	108	113.8	4.000	354	68	69	69	69	69	70	71	77	86	86	$86_{\delta x>2}$
120	116	116.1	0.375	139	50	53	58	58	62	62	66	70	70	71	75
120	116	116.2	0.625	154	51	53	58	58	62	66	66	70	70	71	75
120	116	116.3	0.875	169	51	57	58	58	62	65	69	70	70	75	76
120	116	116.6	1.250	192	51	58	58	62	62	66	70	70	70	75	75
120	116	117.6	2.000	238	58	58	58	62	66	66	70	70	75	76	84
120	116	122.3	4.000	362	71	71	71	72	72	73	78	78	87	87	88
120	124	124.0	0.250	139	53	55	60	60	64	68	68	72	73	74	79
120	124	124.1	0.500	154	59	60	60	60	64	68	68	72	73	74	79
120	124	124.2	0.750	169	59	60	60	61	64	68	72	72	73	79	79
120	124	124.4	1.000	184	59	60	60	64	64	68	72	72	73	79	79
120	124	125.0	1.500	215	59	60	60	64	68	68	72	73	73	79	87
120	124	127.8	3.000	308	71	71	72	72	73	73	73	78	78	86	87
120	132	132.0	0.250	147	53	56	61	61	65	65	69	73	73	74	80
120	132	132.1	0.500	162	60	61	61	61	65	69	69	73	73	74	80
120	132	132.3	0.750	177	60	60	61	61	65	69	69	73	73	74	79
120	132	132.5	1.000	192	60	60	61	61	65	68	72	73	73	74	80
120	132	133.0	1.500	223	62	62	62	66	70	70	74	74	75	81	81
120	132	136.1	3.000	316	72	72	73	73	74	74	74	79	79	88	89

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
130	66	66.0	0.375	90	45	47	56	64	67	71	80	92	93	101	112
130	66	66.1	0.625	107	45	47	56	64	67	71	80	92	93	101	112
130	66	66.2	0.875	123	45	48	56	64	68	71	80	92	93	101	112
130	66	66.4	1.250	148	46	48	56	64	68	71	80	93	93	101	113
130	66	66.9	2.000	197	46	48	57	64	68	80	81	94	94	102	113
130	66	69.6	4.000	330	$48_{\delta x>2}$	$54_{\delta x>2}$	$63_{\delta x>2}$	$70_{\delta x>2}$	$74_{\delta x>2}$	$80_{\delta x>2}$	$88_{\delta x>2}$	$97_{\delta x>2}$	$105_{\delta x>2}$	$117_{\delta x>2}$	$118_{\delta x>2}$
130	72	72.0	0.375	96	43	46	56	56	64	68	72	80	92	93	101
130	72	72.1	0.625	113	43	46	56	60	64	68	76	80	89	93	101
130	72	72.2	0.875	129	43	46	56	60	64	68	76	80	89	93	101
130	72	72.4	1.250	154	44	47	56	60	68	68	77	80	89	94	102
130	72	73.0	2.000	203	44	47	57	61	69	69	77	81	90	94	103
130	72	75.9	4.000	336	$47_{\delta x>2}$	$53_{\delta x>2}$	$59_{\delta x>2}$	$64_{\delta x>2}$	$72_{\delta x>2}$	$73_{\delta x>2}$	$81_{\delta x>2}$	$93_{\delta x>2}$	$98_{\delta x>2}$	$99_{\delta x>2}$	$118_{\delta x>2}$
130	78	78.0	0.375	102	40	46	49	58	61	65	69	77	81	89	94
130	78	78.1	0.625	119	40	46	49	58	61	68	69	77	81	89	94
130	78	78.2	0.875	135	40	46	49	58	61	69	69	77	81	89	94
130	78	78.4	1.250	160	40	46	49	58	61	69	69	77	82	90	94
130	78	79.1	2.000	209	45	46	49	58	62	69	70	78	82	90	95
130	78	82.2	4.000	342	$46_{\delta x>2}$	$52_{\delta x>2}$	$55_{\delta x>2}$	$68_{\delta x>2}$	$68_{\delta x>2}$	$72_{\delta x>2}$	$78_{\delta x>2}$	$90_{\delta x>2}$	$93_{\delta x>2}$	$94_{\delta x>2}$	$99_{\delta x>2}$
130	84	84.0	0.375	108	39	46	48	58	58	63	70	73	79	82	91
130	84	84.1	0.625	125	39	46	48	58	58	63	70	73	79	82	91
130	84	84.2	0.875	141	39	46	48	58	62	63	70	73	79	91	91
130	84	84.5	1.250	166	39	46	49	58	62	63	70	74	79	91	91
130	84	85.2	2.000	215	40	46	49	59	63	67	71	79	80	92	92
130	84	88.5	4.000	349	$46_{\delta x>2}$	$53_{\delta x>2}$	$55_{\delta x>2}$	$68_{\delta x>2}$	$69_{\delta x>2}$	$70_{\delta x>2}$	$79_{\delta x>2}$	$83_{\delta x>2}$	$92_{\delta x>2}$	$95_{\delta x>2}$	$96_{\delta x>2}$
130	90	90.0	0.375	114	38	46	47	54	58	62	66	70	75	79	91
130	90	90.1	0.625	131	38	46	47	54	58	62	67	70	75	80	91
130	90	90.2	0.875	147	38	46	47	54	62	62	67	70	75	80	91
130	90	90.5	1.250	172	38	46	48	54	62	66	67	71	76	88	92
130	90	91.2	2.000	221	43	46	48	55	63	67	67	76	77	88	92
130	90	94.9	4.000	355	$46_{\delta x>2}$	$49_{\delta x>2}$	$55_{\delta x>2}$	$62_{\delta x>2}$	$70_{\delta x>2}$	$71_{\delta x>2}$	$71_{\delta x>2}$	$80_{\delta x>2}$	$93_{\delta x>2}$	$93_{\delta x>2}$	$97_{\delta x>2}$
130	96	96.0	0.375	120	43	48	48	53	55	64	68	68	77	77	89
130	96	96.1	0.625	137	43	48	48	53	59	64	68	68	77	77	89
130	96	96.3	0.875	153	43	48	48	54	59	64	68	69	77	77	89
130	96	96.5	1.250	178	47	48	48	54	59	67	68	69	77	85	89
130	96	97.3	2.000	227	48	48	52	54	60	68	68	74	77	86	90
130	96	101.2	4.000	361	$49_{\delta x>2}$	$53_{\delta x>2}$	$54_{\delta x>2}$	$63_{\delta x>2}$	$65_{\delta x>2}$	$70_{\delta x>2}$	$75_{\delta x>2}$	$76_{\delta x>2}$	$89_{\delta x>2}$	$89_{\delta x>2}$	$93_{\delta x>2}$
130	102	102.0	0.250	118	43	49	49	50	55	61	69	69	73	78	79
130	102	102.1	0.500	135	43	49	49	50	55	61	69	69	73	78	78
130	102	102.2	0.750	151	45	49	49	53	55	61	69	69	73	78	86
130	102	102.4	1.000	167	45	49	49	53	55	61	69	69	77	78	86
130	102	102.8	1.500	200	45	49	49	53	59	61	69	69	78	78	87
130	102	105.1	3.000	300	51	52	55	59	64	70	71	77	88	89	92
130	108	108.0	0.250	124	44	50	50	51	56	61	69	70	71	79	79
130	108	108.1	0.500	141	46	50	51	54	56	61	69	70	71	79	79
130	108	108.2	0.750	157	46	50	51	54	56	62	69	70	71	79	87
130	108	108.4	1.000	173	46	50	50	54	56	62	70	71	75	79	87
130	108	108.8	1.500	206	51	51	51	55	60	66	70	71	76	79	88
130	108	111.3	3.000	306	52	52	56	60	65	67	72	77	78	90	90
130	114	114.0	0.250	130	53	57	58	62	62	66	70	70	71	76	88
130	114	114.1	0.500	147	52	57	57	62	65	66	70	70	75	76	88
130	114	114.2	0.750	163	52	57	58	62	65	66	70	70	75	76	88
130	114	114.4	1.000	179	57	57	58	62	65	69	70	70	75	76	88
130	114	114.9	1.500	212	57	58	58	62	66	70	70	71	76	85	88
130	114	117.5	3.000	313	60	60	64	69	73	73	73	78	87	88	93
130	120	120.0	0.250	136	54	59	59	63	67	67	71	71	76	76	85
130	120	120.1	0.500	153	58	59	59	63	67	70	71	71	76	76	85
130	120	120.2	0.750	169	58	59	59	63	67	70	71	71	76	84	85
130	120	120.4	1.000	185	59	59	63	63	67	70	71	71	76	84	85
130	120	120.9	1.500	218	59	59	63	66	67	71	71	76	76	84	85
130	120	123.7	3.000	319	70	70	70	71	71	72	77	78	86	86	86

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
140	70	70.0	0.375	96	48	56	60	67	72	80	92	93	101	112	123
140	70	70.1	0.625	114	48	56	60	67	72	80	92	101	101	112	123
140	70	70.2	0.875	131	48	56	60	68	72	80	93	101	101	113	123
140	70	70.4	1.250	158	48	56	60	68	72	80	93	101	112	113	124
140	70	71.0	2.000	211	48	57	$61_{\delta x>2}$	$68_{\delta x>2}$	$77_{\delta x>2}$	85	$93_{\delta x>2}$	102	113	$114_{\delta x>2}$	124
140	70	73.8	4.000	354	$54_{\delta x>2}$	$62_{\delta x>2}$	$67_{\delta x>2}$	$74_{\delta x>2}$	$80_{\delta x>2}$	$92_{\delta x>2}$	$97_{\delta x>2}$	$105_{\delta x>2}$	$117_{\delta x>2}$	$128_{\delta x>2}$	$129_{\delta x>2}$
140	76	76.0	0.375	102	47	53	57	65	69	72	81	93	94	102	113
140	76	76.1	0.625	120	47	53	57	65	69	73	81	93	94	102	114
140	76	76.2	0.875	137	47	53	57	65	69	77	81	94	94	102	114
140	76	76.4	1.250	164	47	53	57	65	69	78	81	94	95	102	114
140	76	77.0	2.000	217	48	57	61	69	70	78	82	95	95	114	115
140	76	80.1	4.000	360	$52_{\delta x>2}$	$58_{\delta x>2}$	$67_{\delta x>2}$	$71_{\delta x>2}$	$77_{\delta x>2}$	$80_{\delta x>2}$	$92_{\delta x>2}$	$97_{\delta x>2}$	$98_{\delta x>2}$	$117_{\delta x>2}$	$118_{\delta x>2}$
140	82	82.0	0.250	100	46	49	58	61	69	73	77	81	94	94	102
140	82	82.1	0.500	117	46	49	58	61	69	69	77	81	94	94	102
140	82	82.2	0.750	135	46	49	58	61	69	70	78	89	94	94	113
140	82	82.3	1.000	152	46	49	58	61	69	70	78	89	94	95	114
140	82	82.6	1.500	188	46	48	58	62	69	70	78	90	95	95	114
140	82	84.5	3.000	295	$47_{\delta x>2}$	$53_{\delta x>2}$	$62_{\delta x>2}$	$67_{\delta x>2}$	$71_{\delta x>2}$	$76_{\delta x>2}$	$80_{\delta x>2}$	$92_{\delta x>2}$	$96_{\delta x>2}$	$97_{\delta x>2}$	$116_{\delta x>2}$
140	88	88.0	0.250	106	45	48	54	62	66	70	74	79	90	96	96
140	88	88.1	0.500	123	45	49	54	62	66	70	78	79	90	96	96
140	88	88.2	0.750	141	45	49	54	62	66	70	79	79	91	96	96
140	88	88.3	1.000	158	46	49	54	63	66	71	79	79	91	96	97
140	88	88.7	1.500	194	46	49	54	63	67	71	79	80	91	97	97
140	88	90.7	3.000	301	$47_{\delta x>2}$	$54_{\delta x>2}$	$59_{\delta x>2}$	$68_{\delta x>2}$	$68_{\delta x>2}$	$72_{\delta x>2}$	$81_{\delta x>2}$	$90_{\delta x>2}$	$94_{\delta x>2}$	$99_{\delta x>2}$	$111_{\delta x>2}$
140	94	94.0	0.250	112	45	48	51	59	64	71	71	80	81	92	97
140	94	94.1	0.500	129	45	48	51	59	64	71	71	80	81	92	97
140	94	94.2	0.750	147	45	48	55	59	64	71	71	80	81	93	97
140	94	94.3	1.000	164	45	48	55	60	64	71	71	80	89	93	97
140	94	94.7	1.500	200	46	48	55	63	68	71	72	81	89	93	98
140	94	96.9	3.000	307	48	$52_{\delta x>2}$	$58_{\delta x>2}$	$67_{\delta x>2}$	$68_{\delta x>2}$	$74_{\delta x>2}$	$77_{\delta x>2}$	$90_{\delta x>2}$	$91_{\delta x>2}$	$94_{\delta x>2}$	$106_{\delta x>2}$
140	100	100.0	0.250	118	48	48	50	55	63	68	72	77	80	89	93
140	100	100.1	0.500	135	48	48	53	55	63	68	72	77	80	89	93
140	100	100.2	0.750	153	48	48	53	55	64	68	72	77	80	89	93
140	100	100.3	1.000	170	48	48	53	59	67	68	72	77	88	89	93
140	100	100.8	1.500	206	48	49	54	59	67	68	72	77	89	89	93
140	100	103.1	3.000	313	49	53	$59_{\delta x>2}$	$64_{\delta x>2}$	$69_{\delta x>2}$	$70_{\delta x>2}$	$78_{\delta x>2}$	$87_{\delta x>2}$	$91_{\delta x>2}$	$92_{\delta x>2}$	$95_{\delta x>2}$
140	106	106.0	0.250	124	50	50	54	56	65	69	70	78	79	91	92
140	106	106.1	0.500	141	50	50	54	56	65	70	70	78	79	91	92
140	106	106.2	0.750	159	50	50	54	60	69	70	70	78	79	91	92
140	106	106.4	1.000	176	50	50	54	60	69	70	70	78	87	91	92
140	106	106.8	1.500	212	50	50	55	60	65	70	75	78	87	91	92
140	106	109.3	3.000	319	51	55	59	64	$66_{\delta x>2}$	71	$76_{\delta x>2}$	88	$89_{\delta x>2}$	$93_{\delta x>2}$	$94_{\delta x>2}$
140	112	112.0	0.250	130	58	58	62	62	66	70	71	79	79	92	92
140	112	112.1	0.500	147	58	58	62	66	66	70	71	79	79	92	92
140	112	112.2	0.750	165	58	58	62	66	70	70	71	79	79	91	92
140	112	112.4	1.000	182	58	59	62	66	70	71	71	79	87	92	93
140	112	112.9	1.500	218	58	59	62	66	70	71	76	79	88	92	93
140	112	115.4	3.000	325	60	63	67	71	72	73	78	89	90	94	96
140	118	118.0	0.250	136	59	59	60	64	67	71	72	72	80	89	93
140	118	118.1	0.500	153	59	59	60	64	67	71	72	76	80	89	93
140	118	118.2	0.750	171	59	59	60	64	68	71	72	77	80	89	94
140	118	118.4	1.000	188	59	60	63	64	67	71	72	77	80	89	94
140	118	118.9	1.500	224	59	59	64	67	71	71	72	77	89	90	94
140	118	121.6	3.000	332	73	73	74	74	74	79	80	89	93	95	99
140	124	124.0	0.250	142	59	60	64	64	68	72	72	77	78	89	90
140	124	124.1	0.500	159	59	60	64	67	68	72	72	77	78	89	90
140	124	124.2	0.750	177	59	60	64	67	71	72	72	78	86	89	90
140	124	124.4	1.000	194	59	60	64	67	71	72	73	78	86	89	90
140	124	125.0	1.500	230	60	60	64	67	71	72	78	78	86	89	90
140	124	127.8	3.000	338	74	75	75	75	75	81	81	90	91	96	96

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)

Scissor Joist (SPSC) Tables

Span ft	Chord Depth in	Ridge Depth in	Top Chord Pitch in/ft	Shape Depth in	Top Chord Uniform Load - Pounds per Linear Foot (**plf**) (**ASD**)										
					300	350	400	450	500	550	600	650	700	750	800
					Joist Self-Weight - Pounds per Linear Foot (**plf**)										
150	76	76.0	0.250	95	48	57	65	71	80	84	93	101	113	113	124
150	76	76.1	0.500	114	48	57	64	71	80	85	93	101	113	113	124
150	76	76.1	0.750	132	48	57	65	71	80	88	93	101	113	113	124
150	76	76.3	1.000	151	49	57	68	72	80	88	93	102	113	114	125
150	76	76.6	1.500	189	49	61	68	72	77	89	94	102	114	124	125
150	76	78.3	3.000	303	$54_{\delta x>2}$	$62_{\delta x>2}$	$69_{\delta x>2}$	$74_{\delta x>2}$	$82_{\delta x>2}$	$91_{\delta x>2}$	$96_{\delta x>2}$	$115_{\delta x>2}$	$116_{\delta x>2}$	$127_{\delta x>2}$	$127_{\delta x>2}$
150	82	82.0	0.250	101	48	58	62	69	73	81	94	95	103	114	115
150	82	82.1	0.500	120	48	58	62	69	73	82	94	95	103	114	115
150	82	82.2	0.750	138	48	58	62	69	73	82	94	95	103	115	115
150	82	82.3	1.000	157	48	58	62	70	78	82	94	95	103	115	115
150	82	82.6	1.500	195	48	58	62	70	78	82	95	96	115	115	116
150	82	84.5	3.000	310	$53_{\delta x>2}$	$63_{\delta x>2}$	$67_{\delta x>2}$	$71_{\delta x>2}$	$80_{\delta x>2}$	$92_{\delta x>2}$	$97_{\delta x>2}$	$97_{\delta x>2}$	$117_{\delta x>2}$	$118_{\delta x>2}$	$118_{\delta x>2}$
150	88	88.0	0.250	107	47	54	62	69	70	78	90	95	95	114	115
150	88	88.1	0.500	126	47	54	62	69	70	78	90	95	95	115	115
150	88	88.2	0.750	144	47	54	62	69	70	78	90	95	95	115	115
150	88	88.3	1.000	163	47	54	62	69	70	78	90	95	96	115	116
150	88	88.7	1.500	201	47	54	62	70	70	79	91	95	96	115	116
150	88	90.7	3.000	316	$52_{\delta x>2}$	$59_{\delta x>2}$	$67_{\delta x>2}$	$71_{\delta x>2}$	$76_{\delta x>2}$	$88_{\delta x>2}$	$92_{\delta x>2}$	$93_{\delta x>2}$	$109_{\delta x>2}$	$117_{\delta x>2}$	$118_{\delta x>2}$
150	94	94.0	0.250	113	48	49	59	63	71	71	79	92	96	97	116
150	94	94.1	0.500	132	48	53	59	63	71	71	79	92	96	97	116
150	94	94.2	0.750	150	48	53	63	67	71	71	80	92	96	97	116
150	94	94.3	1.000	169	48	53	63	67	71	76	80	92	97	97	116
150	94	94.7	1.500	207	48	53	63	67	71	76	80	92	97	98	117
150	94	96.9	3.000	322	$53_{\delta x>2}$	$60_{\delta x>2}$	$68_{\delta x>2}$	$69_{\delta x>2}$	$77_{\delta x>2}$	$82_{\delta x>2}$	$91_{\delta x>2}$	$95_{\delta x>2}$	$100_{\delta x>2}$	$111_{\delta x>2}$	$120_{\delta x>2}$
150	100	100.0	0.250	119	49	51	56	65	69	72	80	81	93	98	99
150	100	100.1	0.500	138	49	51	56	65	69	72	81	89	93	98	99
150	100	100.2	0.750	156	49	54	56	65	69	72	81	90	93	98	99
150	100	100.3	1.000	175	49	54	60	68	69	72	81	90	94	98	110
150	100	100.8	1.500	213	49	54	60	69	69	73	81	90	94	99	111
150	100	103.1	3.000	328	$51_{\delta x>2}$	$60_{\delta x>2}$	$66_{\delta x>2}$	$70_{\delta x>2}$	$71_{\delta x>2}$	$79_{\delta x>2}$	$92_{\delta x>2}$	$92_{\delta x>2}$	$96_{\delta x>2}$	$101_{\delta x>2}$	$113_{\delta x>2}$
150	106	106.0	0.250	125	50	50	57	64	68	72	77	89	90	93	98
150	106	106.1	0.500	144	50	54	60	68	68	72	77	89	90	94	98
150	106	106.2	0.750	162	50	53	60	68	68	72	77	89	90	94	98
150	106	106.4	1.000	181	50	54	60	68	69	72	78	89	90	94	109
150	106	106.8	1.500	219	50	54	60	68	69	78	78	90	90	94	110
150	106	109.3	3.000	334	54	$58_{\delta x>2}$	$65_{\delta x>2}$	$70_{\delta x>2}$	$71_{\delta x>2}$	$79_{\delta x>2}$	$88_{\delta x>2}$	$92_{\delta x>2}$	$93_{\delta x>2}$	$107_{\delta x>2}$	$112_{\delta x>2}$
150	112	112.0	0.250	131	58	59	63	66	70	71	79	80	92	96	96
150	112	112.1	0.500	150	58	62	66	70	70	71	79	88	92	96	96
150	112	112.2	0.750	168	58	62	66	70	70	71	79	88	91	96	96
150	112	112.4	1.000	187	59	63	66	70	71	71	79	88	92	94	97
150	112	112.9	1.500	225	59	63	67	71	71	76	80	89	92	94	108
150	112	115.4	3.000	340	63	67	71	72	$72_{\delta x>2}$	$77_{\delta x>2}$	$89_{\delta x>2}$	$90_{\delta x>2}$	$94_{\delta x>2}$	$107_{\delta x>2}$	$110_{\delta x>2}$
150	118	118.0	0.250	137	59	59	63	67	71	71	75	81	93	94	97
150	118	118.1	0.500	156	59	60	63	67	71	71	80	81	93	94	97
150	118	118.2	0.750	174	59	60	63	67	71	72	80	81	93	94	97
150	118	118.4	1.000	193	59	63	67	71	71	72	81	81	93	94	98
150	118	118.9	1.500	231	59	63	67	71	71	72	81	89	93	94	98
150	118	121.6	3.000	347	72	73	73	74	79	80	91	$92_{\delta x>2}$	$96_{\delta x>2}$	$109_{\delta x>2}$	$113_{\delta x>2}$
150	124	124.0	0.250	143	61	61	65	69	72	73	78	81	90	95	96
150	124	124.1	0.500	162	61	61	65	69	72	73	78	81	90	95	96
150	124	124.2	0.750	180	61	65	68	72	72	73	78	81	90	95	96
150	124	124.4	1.000	199	61	65	68	72	73	73	78	90	90	96	96
150	124	125.0	1.500	237	61	65	68	72	73	73	78	90	91	96	97
150	124	127.8	3.000	353	73	74	74	75	75	80	89	93	94	99	$110_{\delta x>2}$
150	130	130.0	0.250	149	61	62	66	69	73	73	74	79	92	93	97
150	130	130.1	0.500	168	61	62	66	69	73	73	74	79	92	93	97
150	130	130.3	0.750	187	61	62	66	69	73	73	79	79	92	93	97
150	130	130.5	1.000	205	61	65	69	73	73	73	79	80	92	93	97
150	130	131.0	1.500	244	62	65	69	73	73	74	79	89	93	94	98
150	130	134.0	3.000	359	74	74	75	76	76	81	90	91	95	96	111

X-Bridging Requirements – Reference Standard Specification **Section 904.5 Bridging** on page 96

1 row	2 rows	3 rows	4 rows	5 rows	6 rows	7 rows	8 rows	9 rows	10 rows

Bearing Seat Depth – Profiles to the right of a colored line have a seat depth indicated in the chart below

Minimum 5"	7½"	10"	Maximum 12½"

Horizontal Deflection – Joist designs marked with the note 'δ_x**>2**' have a horizontal slip greater than 2". (Reference page 14)