

Box Rib™ Wall

Architectural Wall Application

18 to 24 gauge

Allowable Span (ft - in)								
Gauge	Span	Condition	Allowable Load (psf)					
			10	20	25	30	40	50
24	SS	f	15-0	10-7	9-6	8-8	7-6	6-8
		L /180	9-0	7-2	6-8	6-3	5-8	5-3
	DS	f	15-0	10-7	9-6	8-8	7-6	6-8
		L /180	12-1	9-7	8-11	8-5	7-6	6-8
	TS	f	16-9	11-10	10-7	9-8	8-4	7-6
		L /180	11-2	8-10	8-3	7-9	7-0	6-6
22	SS	f	17-10	12-7	11-3	10-3	8-11	7-11
		L /180	10-0	7-11	7-5	6-11	6-4	5-10
	DS	f	17-10	12-7	11-3	10-3	8-11	7-11
		L /180	13-5	10-8	9-11	9-4	8-5	7-10
	TS	f	19-11	14-1	12-7	11-6	9-11	8-11
		L /180	12-5	9-10	9-1	8-7	7-10	7-3
20	SS	f	20-0	14-2	12-8	11-7	10-0	8-11
		L /180	10-10	8-7	8-0	7-6	6-10	6-4
	DS	f	20-0	14-2	12-8	11-7	10-0	8-11
		L /180	14-6	11-6	10-8	10-1	9-2	8-6
	TS	f	22-5	15-10	14-2	12-11	11-2	10-0
		L /180	13-5	10-7	9-10	9-3	8-5	7-10
18	SS	f	23-1	16-3	14-7	13-4	11-6	10-3
		L /180	12-3	9-8	9-0	8-5	7-8	7-1
	DS	f	23-1	16-3	14-7	13-4	11-6	10-3
		L /180	16-4	13-0	12-1	11-4	10-4	9-7
	TS	f	25-9	18-3	16-3	14-10	12-10	11-6
		L /180	15-1	12-0	11-1	10-5	9-6	8-10

Allowable Load (lb./ft²)												
Gauge	Span	Condition	SPAN (ft.)									
			5	6	7	8	9	10	11	12		
24	SS	f	90	62	46	35	27	22	18	15		
		L /180	59	34	21	14	10	7	5	4		
	DS	f	90	62	46	35	27	22	18	15		
		L /180	90	62	46	35	24	17	13	10		
	TS	f	113	78	57	44	34	28	23	19		
		L /180	112	65	41	27	19	14	10	8		
22	SS	f	127	88	65	49	39	31	26	22		
		L /180	81	47	29	19	14	10	7	5		
	DS	f	127	88	65	49	39	31	26	22		
		L /180	127	88	65	47	33	24	18	14		
	TS	f	159	111	81	62	49	39	33	27		
		L /180	153	89	56	37	26	19	14	11		
20	SS	f	161	111	82	62	49	40	33	27		
		L /180	102	59	37	25	17	12	9	7		
	DS	f	161	111	82	62	49	40	33	27		
		L /180	161	111	82	60	42	30	23	17		
	TS	f	201	139	102	78	62	50	41	34		
		L /180	193	112	70	47	33	24	18	14		
18	SS	f	213	148	108	83	65	53	44	37		
		L /180	147	85	53	35	25	18	13	10		
	DS	f	213	148	108	83	65	53	44	37		
		L /180	213	148	108	83	60	44	33	25		
	TS	f	266	185	136	104	82	66	55	46		
		L /180	266	160	100	67	47	34	26	20		

Notes:

- Top values based on stress. Bottom values based on allowable deflection of L/180.
- Steel for 24 through 18 gauge conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume®) 40,000 psi minimum yield.
- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (1996 Edition).
- Tabulated values include stress increase by a factor of 1.33 for wind loading.

Specifications subject to change without notice.

Loading Table Legend

f-Load limited by flexural bending stress

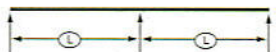
L-Span (Inches)

L/180-Load limited by a deflection of 1/180 of the span

SS-Single span



DS-Double span



TS-Triple span

