

Reversed Box Rib™

Roof or Wall Application

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

			Allowable Load (lb./ft²)											
			SPAN											
Gauge	Span	Condition	5	6	7	8	9	10	11	12				
29	SS	f	36	25	18	14	11	9	7	6				
		L /180	30	17	11	7	5	3	2	2				
	DS	f	35	24	17	13	10	8	7	6				
		L /180	35	24	17	13	10	8	6	5				
	TS	f	44	30	22	17	13	11	9	7				
		L /180	44	30	21	14	9	7	5	4				
26	SS	f	62	43	31	24	19	15	12	10				
		L /180	49	28	18	12	8	6	4	3				
	DS	f	63	44	32	24	19	15	13	11				
		L /180	63	44	32	24	19	14	11	8				
	TS	f	79	55	40	30	24	19	16	13				
		L /180	79	54	34	22	16	11	8	6				
24	SS	f	74	51	37	29	22	18	15	12				
		L /180	74	47	29	19	13	10	7	5				
	DS	f	68	47	34	26	21	17	14	11				
		L /180	68	47	34	26	21	17	14	11				
	TS	f	85	59	43	33	26	21	17	14				
		L /180	85	59	43	33	26	19	14	11				
22	SS	f	101	70	51	39	31	25	20	17				
		L /180	101	63	39	26	18	13	10	7				
	DS	f	96	66	49	37	29	24	19	16				
		L /180	96	66	49	37	29	24	19	16				
	TS	f	120	83	61	46	37	30	24	20				
		L /180	120	83	61	46	35	25	19	14				
20	SS	f	126	88	64	49	39	31	26	22				
		L /180	126	78	49	33	23	16	12	9				
	DS	f	121	84	61	47	37	30	25	21				
		L /180	121	84	61	47	37	30	25	21				
	TS	f	151	105	77	59	46	37	31	26				
		L /180	151	105	77	59	43	31	23	18				
18	SS	f	165	115	84	64	51	41	34	28				
		L /180	165	101	63	42	30	21	16	12				
	DS	f	160	111	81	62	49	40	33	27				
		L /180	160	111	81	62	49	40	33	27				
	TS	f	200	139	102	78	61	50	41	34				
		L /180	200	139	102	78	56	41	30	23				

- Notes:
- Steel for 24 through 18 gauge conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume®) 40,000 psi minimum yield.
 - Top values based on stress. Bottom values based on allowable deflection of L/180.
 - Steel for 29 and 26 gauge conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume®) 80,000 psi minimum yield.

- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (1996 Edition)
 - Tabulated values are for positive loading only.
- Specifications are subject to change without notice.*