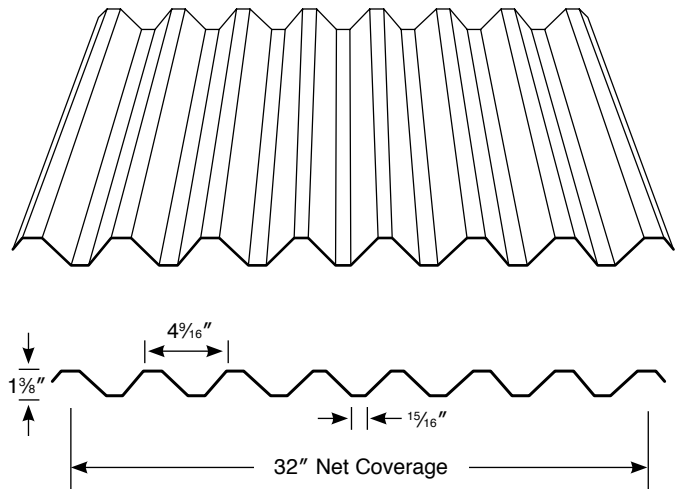


Featuring

Zincalume® For Twice the Life!

Zincalume combines the strength of steel with the corrosion resistance of aluminum for twice the life of most zinc coatings.

Mini-V-Beam is a through-fastened metal panel with 32" net coverage. This panel is predominantly used in industrial roof and wall applications.



32" Width Mini-V-Beam Section Properties

Gauge	Base Steel Thickness (in)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft ²)	S+ (in ³ /ft)	I+ (in ⁴ /ft)	S- (in ³ /ft)	I- (in ⁴ /ft)
26	0.0183	80	82	0.9	0.0918	0.0683	0.0865	0.0686
24	0.0232	50	65	1.2	0.1275	0.0938	0.1257	0.0938
22	0.0294	50	65	1.5	0.1535	0.1200	0.1536	0.1200
20*	0.0354	40	55	1.9	0.1931	0.1425	0.1931	0.1425
18*	0.0459	40	55	2.4	0.2471	0.1838	0.2471	0.1838

* 18 and 20 gauge supplied as G-90 galvanized.

NOTE: The moments of inertia, I⁺ and I⁻, presented for determining deflection are: $(2I_{\text{Effective}} + I_{\text{Gross}})/3$

features | benefits

- Panel design provides superior load and span capacities, offering savings in the structural support system.
- Quick, economical trim packages include standard trim pieces that can simply be ordered by number.
- Steel panels with several coating options: Zincalume Plus G-90 galvanized *Cool Surf White* is offered in the economical *DuraTech®nt* coating system.

32" Width Mini-V-Beam								
Gauge	Span	Cond.	Allowable Span (ft.-in.)					
			10	20	25	30	40	50
26	SS	f	14-10	10-5	9-4	8-6	7-5	6-7
		L/180	8-5	6-8	6-2	5-10	5-3	4-11
	DS	f	14-4	10-2	9-1	8-3	7-2	6-5
		L/180	11-3	8-11	8-3	7-9	7-1	6-5
	TS	f	16-4	11-11	10-10	9-9	8-8	7-7
		L/180	10-4	8-2	7-7	7-2	6-6	6-0
24	SS	f	15-11	11-3	10-1	9-2	7-11	7-1
		L/180	9-4	7-5	6-10	6-5	5-10	5-5
	DS	f	15-10	11-2	10-0	9-1	7-11	7-1
		L/180	12-6	9-11	9-2	8-8	7-10	7-1
	TS	f	17-6	12-1	11-11	10-10	8-9	7-8
		L/180	11-6	9-2	8-6	8-0	7-3	6-9
22	SS	f	17-6	12-4	11-0	10-1	8-9	7-10
		L/180	10-1	8-0	7-5	7-0	6-4	5-11
	DS	f	17-6	12-4	11-1	10-1	8-9	7-10
		L/180	13-7	10-9	10-0	9-5	8-6	7-10
	TS	f	19-8	13-2	12-0	11-11	9-10	8-9
		L/180	12-6	9-11	9-3	8-8	7-10	7-4
20	SS	f	17-6	12-5	11-1	10-1	8-9	7-10
		L/180	10-9	8-6	7-11	7-5	6-9	6-3
	DS	f	17-6	12-5	11-1	10-1	8-9	7-10
		L/180	14-5	11-5	10-7	10-0	8-9	7-10
	TS	f	19-8	13-2	12-0	11-11	9-10	8-9
		L/180	13-3	10-6	9-9	9-2	8-4	7-9
18	SS	f	19-10	14-0	12-6	11-5	9-11	8-10
		L/180	11-8	9-3	8-7	8-1	7-4	6-10
	DS	f	19-10	14-0	12-6	11-5	9-11	8-10
		L/180	15-8	12-5	11-6	10-10	9-10	8-10
	TS	f	22-10	15-4	14-2	12-1	11-11	9-10
		L/180	14-5	11-5	10-8	10-0	9-1	8-5

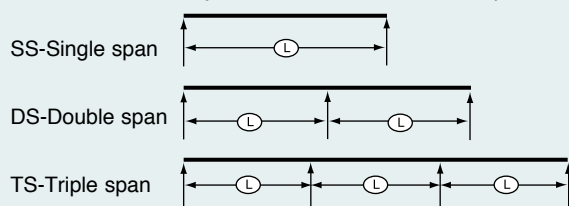
32" Width Mini-V-Beam											
Gauge	Span	Cond.	Allowable Load (lbs/ft²) Span (ft.-in.)								
			5-0	6-0	7-0	8-0	9-0	10-0	11-0	12-0	
26	SS	f	88	61	44	34	27	22	18	15	
		L/180	47	27	17	11	8	5	4	3	
	DS	f	83	57	42	32	25	20	17	14	
		L/180	83	57	41	27	19	14	10	8	
	TS	f	103	72	52	40	32	25	21	18	
		L/180	89	51	32	21	15	11	8	6	
24	SS	f	101	70	52	39	31	25	21	17	
		L/180	65	38	23	16	11	8	6	4	
	DS	f	100	69	51	39	31	25	20	17	
		L/180	100	69	51	38	27	19	14	11	
	TS	f	125	87	64	49	38	31	25	21	
		L/180	124	71	45	30	21	15	11	8	
22	SS	f	122	85	62	47	37	30	25	21	
		L/180	84	48	30	20	14	10	7	6	
	DS	f	122	85	62	48	37	30	25	21	
		L/180	122	85	62	48	34	25	18	14	
	TS	f	153	106	78	60	47	38	31	26	
		L/180	153	91	57	38	27	19	14	11	
20	SS	f	123	85	63	48	38	30	25	21	
		L/180	99	57	36	24	17	12	9	7	
	DS	f	123	85	63	48	38	30	25	21	
		L/180	123	85	63	48	38	30	22	17	
	TS	f	154	107	78	60	47	38	31	26	
		L/180	154	107	68	46	32	23	17	13	
18	SS	f	158	109	80	61	48	39	32	27	
		L/180	128	74	46	31	22	16	12	9	
	DS	f	158	109	80	61	48	39	32	27	
		L/180	158	109	80	61	48	38	29	22	
	TS	f	197	137	100	77	61	49	40	34	
		L/180	197	137	88	59	41	30	22	17	

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



NOTES:

- Steel conforms to ASTM A653 (Galvanized) or, ASTM A792 (Zincalume), 80,000 psi minimum yield for 26 gauge, 50,000 psi minimum yield for 24 gauge and 22 gauge and 40,000 psi minimum yield for 20 gauge and 18 gauge
- Tabulated values are for positive loading only.
- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (2007 Edition).

Specifications subject to change without notice.