

HR-36™ Roof & Wall

18-24 Gauge Architectural Panels

Allowable Load (lbs/ft²)

Gauge	Span	Condition	SPAN (ft.)							
			5	6	7	8	9	10	11	12
24	SS	f	78	54	40	30	24	19	16	13
		L/180	78	45	28	19	13	9	7	5
	DS	f	73	51	37	28	22	18	15	12
		L/180	73	51	37	28	22	18	15	12
	TS	f	92	64	47	36	28	23	19	16
		L/180	92	64	47	35	25	18	13	10
22	SS	f	109	76	55	42	33	27	22	19
		L/180	105	60	38	25	18	13	9	7
	DS	f	102	71	52	40	31	25	21	17
		L/180	102	71	52	40	31	25	21	17
	TS	f	128	88	65	50	39	32	26	22
		L/180	128	88	65	48	34	24	18	14
20	SS	f	142	99	72	55	44	35	29	24
		L/180	133	77	48	32	22	16	12	9
	DS	f	133	92	68	52	41	33	27	23
		L/180	133	92	68	52	41	33	27	23
	TS	f	166	115	85	65	51	41	34	28
		L/180	166	115	85	61	43	31	23	18
18	SS	f	208	145	106	81	64	52	43	36
		L/180	184	106	67	45	31	23	17	13
	DS	f	195	135	99	76	60	48	40	33
		L/180	195	135	99	76	60	48	40	32
	TS	f	244	169	124	95	75	61	50	42
		L/180	244	169	124	84	59	43	32	25

Deflection Limit L/180

Allowable Span (ft.- in)

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

Deflection Limit L/180

- Top values based on allowable stress. Bottom values based on allowable deflection of L/180.
- Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume®) with 40,000 psi minimum yield.
- Values are based on the American Iron Steel Institute (AISI) "Cold Formed Steel Design Manual" (1996 Edition).
- Tabulated values are for positive loading only.

Specifications subject to change without notice.

Loading Table Legend

f-Load limited by flexural bending stress

L-Span

L/xxx-Load limited by deflection

SS

Single span

DS

Double span

TS

Triple span

