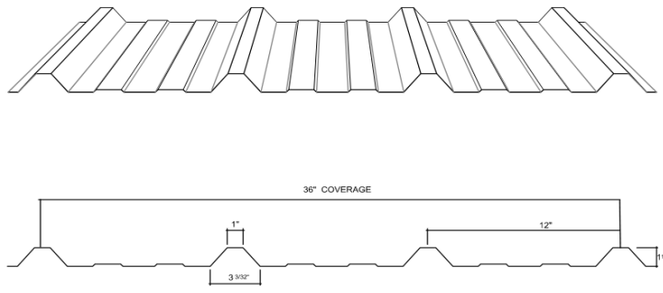
SAMSON METALS Ltd.

(Imperial - L.S.D. S136-07)

SM Panel-Rib



Properties for SM Panel Rib

(Per foot width)

Base Steel Thickness (in.)	Coated Steel Thickness (G90) (in.)	Coated Weight (psf)	Sec. Modulus Midspan ($in.^3$)	Sec. Modulus Support ($in.^3$)	Deflection Moment of Inertia ($in.^4$)	Specified Web Crippling Data P_{e1} End (lb)	P_{e2} End (lb)	P_{i1} Interior (lb)	P_{i2} Interior (lb)
0.018	0.0195	0.856	0.0379	0.0316	0.0428	41.9	10.5	112	19.0
0.020	0.0215	0.945	0.0433	0.0366	0.0486	52.8	13.2	141	23.9
0.024	0.0255	1.12	0.0545	0.0459	0.0584	78.6	19.6	208	35.4

Allowable Superimposed Load Tables - psf

SPAN LENGTH (ft)		1 - SPAN BASE STEEL THICKNESS (inches)			2 - SPAN BASE STEEL THICKNESS (inches)			3 - SPAN BASE STEEL THICKNESS (inches)		
		0.018	0.020	0.024	0.018	0.020	0.024	0.018	0.020	0.024
2.0	S	226	258	324	188	218	273	235	272	341
	D	467	529	636	1120	1271	1527	882	1001	1203
2.5	S	144	165	207	120	139	175	150	174	218
	D	239	271	326	573	651	782	451	512	616
3.0	S	100	115	144	83	97	121	104	121	152
	D	138	157	189	332	377	453	261	296	356
3.5	S	74	84	106	61	71	89	77	89	111
	D	87	99	119	209	237	285	165	187	224
4.0	S	56	64	81	47	54	68	59	68	85
	D	58	66	80	140	159	191	110	125	150
4.5	S	45	51	64	37	43	54	46	54	67
	D	41	46	56	98	112	134	77	88	106
5.0	S	36	41	52	30	35	44	38	44	55
	D	30	34	41	72	81	98	56	64	77
5.5	S	30	34	43	25	29	36	31	36	45
	D	22	25	31	54	61	73	42	48	58
6.0	S	25	29	36	21	24	30	26	30	38
	D	17	20	24	41	47	57	33	37	45
6.5	S	21	24	31	18	21	26	22	26	32
	D	14	15	19	33	37	44	26	29	35
7.0	S	18	21	26	15	18	22	19	22	28
	D	11	12	15	26	30	36	21	23	28
7.5	S	16	18	23	13	15	19	17	19	24
	D	9	10	12	21	24	29	17	19	23
8.0	S	14	16	20	12	14	17	15	17	21
	D	7	8	10	17	20	24	14	16	19

SM900RD-DL Load Table Notes

1) Column 'A' - Loads based on stress. Column 'B' - Loads based on L / 240 deflection. (*) denotes stress governs.
2) Table lists lower value of bending or bearing resistance. ***Italic*** denotes web crippling governs.
3) For deflection loads other than L / 240 multiply column 'B' by the following factors:

DEFLECTION	MULTIPLIER
L / 180	1.333
L / 360	0.666

3) Load tables based on use of A653 Structural Quality Steel Sheet Grade 33 (maximum stress 29.7 Ksi).
4) Sum of specified roof live load & roofing weights to be equal or less allowable superimposed loads above.
5) Contact your **SAMSON METALS** representative for more information.