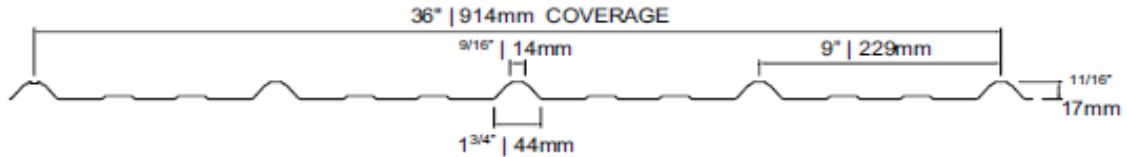


SAMSON METALS Ltd.

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

SM RIGID RIB



Properties for SM Rigid Rib (Per foot width)

Gauge Number	Base Steel Minimum Thickness Inches	Weight Pounds per Sq Ft.	MID - SPAN						SUPPORT						Coeff. of Defect. L / 180	Allowable Bear'g 1.5" K / ft.		Allowable Shear Ov*Vn K/Ft
			Section Modulus		Coeff. of Stress Csm	Moment of Inertia		Section Modulus		Coeff. of Stress C _{ss}	Moment of Inertia		EXT	INT				
			Sm	In3		Im	In4	Sm	In3		Im	In4						
29	0.0135	0.6279	0.01208			0.00710		0.00962			0.0071			0.203	0.158			
26	0.018	0.8372	0.01628			0.00944		0.01336			0.0094			0.323	0.263			

Allowable Superimposed Load Tables - psf

Span Ft.	ONE SPAN								TWO EQUAL SPANS								THREE EQUAL SPANS							
	0.0135		0.018						0.0135		0.018						0.0135		0.018					
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
1.5	112	184	151	244					89	442	124	588					112	346	155	461				
2.0	63	77	85	103					50	187	70	248					63	146	87	194				
2.5	40	40	54	53					32	95	45	127					40	75	56	100				
3.0	28	23	38	31					22	55	31	73					28	43	39	58				
3.5	21	14	28	19					16	35	23	46					20	27	28	36				
4.0	16	10	21	13					13	23	17	31					16	18	22	24				
4.5	12	7	17	9					10	16	14	22					12	13	17	17				
5.0	10	5	14	7					8	12	11	16					10	9	14	12				
5.5	8	4	11	5					7	9	9	12					8	7	12	9				
6.0	7	3	9	4					6	7	8	9					7	5	10	7				
6.5	6	2	8	3					5	5	7	7					6	4	8	6				
7.0	5	2	7	2					4	4	6	6					5	3	7	5				

SM Rigid Rib Load Table Notes

- 1) Column 'A' - Loads based on stress. Column 'B' - Loads based on L / 180 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 / 240	0.75
L / 360	0.5

- 3) Load tables based on use of A653 Structural Quality Steel Sheet Grade 33 (maximum stress 80 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.