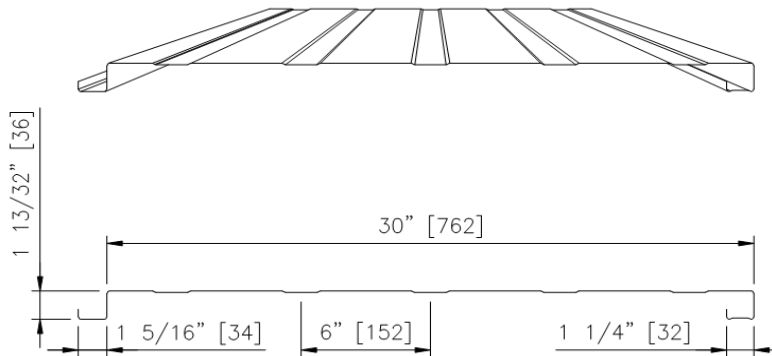


SAMSON METALS Ltd.

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

SM L762 (Liner)



Properties for SM L762 (Liner) (Per foot width)

Gauge Number	Base Steel Minimum Thickness Inches	Weight Pounds per Sq Ft.	MID - SPAN				SUPPORT				Coeff. of Defect. L / 180	Bearing Resis. 1.5" K / Ft.		Shear Resis. $\phi_v V_n$ K/Ft
			Section Modulus		Coeff. of Stress Csm	Moment of Inertia		Section Modulus		Coeff. of Stress C _{ss}		Moment of Inertia		
			Sm	In ³		Im	In ⁴	Sm	In ³			Im	In ⁴	
26	0.018	0.860	0.0887	1756	0.1100	0.0418	828	0.0360	9615	0.06	0.09	0.267		
24	0.024	1.180	0.1221	2418	0.1500	0.0652	1291	0.0540	13199	0.11	0.16	0.356		
22	0.030	1.470	0.1527	3024	0.1900	0.0931	1843	0.075	19842	0.16	0.24	0.445		

Allowable Superimposed Load Tables - psf

Span Ft.	ONE SPAN								TWO EQUAL SPANS								THREE EQUAL SPANS							
	0.018		0.024		0.030				0.018		0.024		0.030				0.018		0.024		0.030			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
2.0	41	*	71	*	107	*			24	*	42	*	63	*			27	*	47	*	72	*		
2.5	33	*	57	*	85	*			19	*	33	*	51	*			22	*	38	*	58	*		
3.0	28	*	47	*	71	*			16	*	28	*	42	*			18	*	32	*	48	*		
3.5	24	*	40	*	61	*			14	*	24	*	36	*			16	*	27	*	41	*		
4.0	21	*	35	*	53	*			12	*	21	*	32	*			14	*	24	*	36	*		
4.5	18	*	31	*	47	*			11	*	18	*	28	*			12	*	21	*	32	*		
5.0	17	*	28	*	43	*			10	*	17	*	25	*			11	*	19	*	29	*		
5.5	15	*	26	*	39	*			9	*	15	*	23	*			10	*	17	*	26	*		
6.0	14	*	24	*	36	*			8	*	14	*	21	*			9	*	16	*	24	*		
6.5	13	*	22	*	33	*			7	*	13	*	20	*			8	*	15	*	22	*		
7.0	12	*	20	*	30	*			7	*	12	*	18	*			8	*	14	*	21	*		
7.5	11	*	19	*	28	*			6	*	11	*	17	*			7	*	13	*	19	*		

SM L762 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 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.