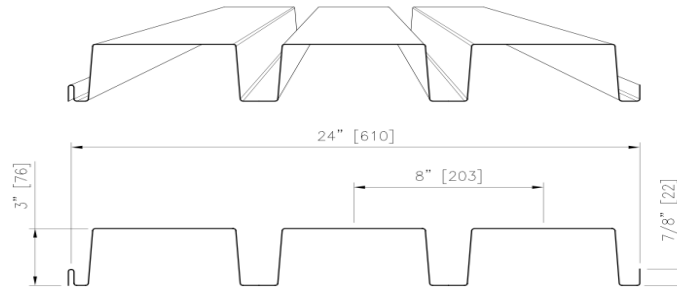


SM675RD-DL



Properties for SM675RD-DL (Per foot width)

Gauge Number	Base Steel Minimum Thickness Inches	Weight Pounds per Sq Ft.	MID - SPAN						SUPPORT						Coeff. of Defect. L / 240	Bearing Resistance K / ft. EXT INT		Shear Resistance ϕv*Vn K/Ft
			Section Modulus		Coeff. of Stress Csm	Moment of Inertia		Section Modulus		Coeff. of Stress Ccss	Moment of Inertia							
			Sm	In3		Im	In4	Sm	In3		Im	In4						
22	0.030	2.163	0.3731		7387		0.6840		0.4000		7914		0.8533		44840	0.69	1.14	2.952
20	0.036	2.588	0.4750		9405		0.8758		0.5054		10007		1.0329		57414	0.97	1.60	4.251
18	0.048	3.450	0.6525		12920		1.2662		0.7129		14115		1.3713		83006	1.64	2.72	6.091
16	0.060	4.300	0.8346		16525		1.6610		0.8855		17533		1.7590		108888	2.46	4.09	7.614

Allowable Superimposed Load Tables - psf

Span Ft.	ONE SPAN								TWO EQUAL SPANS								THREE EQUAL SPANS							
	0.030		0.036		0.048		0.060		0.030		0.036		0.048		0.060		0.030		0.036		0.048		0.060	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
7.0	98	*	125	*	173	*	220	*	81	*	114	*	189	*	234	*	93	*	130	*	220	*	294	*
7.5	85	*	109	*	150	*	192	*	76	*	107	*	164	*	203	*	86	*	121	*	206	*	255	*
8.0	75	*	95	*	131	*	168	*	71	*	100	*	144	*	178	*	81	*	113	*	180	*	224	*
8.5	66	*	84	*	116	*	148	*	67	*	90	*	127	*	157	*	76	*	107	*	159	*	198	*
9.0	59	*	75	*	103	*	132	*	63	*	80	*	113	*	140	*	72	*	100	*	142	*	176	*
9.5	52	52	67	67	92	*	118	*	56	*	71	*	101	*	125	*	68	*	90	*	127	*	158	*
10.0	47	45	60	57	83	*	106	*	51	*	64	*	91	*	113	*	64	*	81	*	114	*	142	*
10.5	42	39	54	49	75	72	96	94	46	*	58	*	82	*	102	*	58	*	73	*	103	*	128	*
11.0	38	34	49	43	68	62	87	82	41	*	52	*	74	*	92	*	52	*	66	*	94	*	116	*
11.5	35	29	45	38	62	54	79	71	38	*	48	*	68	*	84	*	48	*	60	*	85	*	106	*
12.0	32	26	41	33	56	48	72	63	34	*	44	*	62	*	77	*	44	*	55	*	78	*	97	*
12.5	29	23	37	29	52	42	66	56	32	55	40	70	50	101	70	132	40	43	51	55	72	80	89	105

SM675RD-DL Load Table Notes

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

<u>DEFLECTION</u>	<u>MULTIPLIER</u>
L / 180	1.333
L / 360	0.666
- Load tables based on use of A653 Structural Quality Steel Sheet Grade 33 (maximum stress 29.7 Ksi).
- Sum of specified roof live load & roofing weights to be equal or less allowable superimposed loads above.
- Also available in 0.075 inch thickness. Contact your **SAMSON METALS** representative for more information.