

Super-Rib Wall Panel Allowable Wind Loads (psf)

22 Gauge						
Span Type	Span					
	3'-0"	4'-0"	5'-0"	6'-0"	8'-0"	10'-0"
Single	250 *	250 *	250 *	226 f	143 b	92 b
Double	181 f	136 f	108 f	90 f	68 f	54 f
Triple	206 f	154 f	123 f	103 f	77 f	61 f

20 Gauge						
Span Type	Span					
	3'-0"	4'-0"	5'-0"	6'-0"	8'-0"	10'-0"
Single	250 *	250 *	250 *	226 f	170 f	110 b
Double	181 f	136 f	108 f	90 f	68 f	54 f
Triple	206 f	154 f	123 f	103 f	77 f	61 f

18 Gauge						
Span Type	Span					
	3'-0"	4'-0"	5'-0"	6'-0"	8'-0"	10'-0"
Single	250 *	250 *	250 *	226 f	170 f	136 f
Double	181 f	136 f	108 f	90 f	68 f	54 f
Triple	206 f	154 f	123 f	103 f	77 f	61 f



NOTES:

1. Allowable loads are based on uniform span lengths.
2. Panel material is ASTM A653 structural steel (SS) Grade 37.
3. Failure modes represented are:
 - f = fastener pullout/pullover
 - b = bending
 - d = deflection
 - * = allowable load limited to 250 psf (contact Metl-Span if higher loads are required)
4. Panel properties are calculated per AISI Standard *North American Specification for the Design of Cold-Formed Steel Structural Members* - 2016 Edition and the provisions for Allowable Strength Design (ASD).
5. Fastening limitations are based on nominal 1/4" fasteners with 15mm-diameter combination washers; minimum four (4) fasteners per panel width; and minimum 16 Gauge (50 ksi) steel structural girts. Allowable pullout/pullover reactions are based on fastener manufacturer test data with a safety factor of 2.5.
6. Deflection is based on an effective moment of inertia at $M_s = 0.6 * M_n$ applied to the weaker orientation; a deflection ratio of $L/120$; and the 10-year mean return interval wind speed per IBC 2018 Table 1604.3.
7. Panel coverage = 24" and weight = 1.85-2.95 psf.
8. Contact Metl-Span for conditions not conforming to these notes.