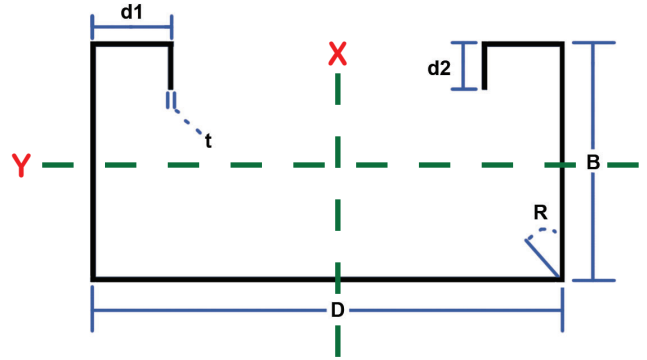


Exterior Wall Framing & Accessories

Important Notes

1. Effective properties incorporate the strength increase from the cold-work of forming as applicable per AISI S100-16 Spec, Sec. A3.3.2 (3).
2. Tabulated gross properties are based on the full-unreduced cross section of the studs, away from punchouts.
3. Allowable moment is the lesser of M_{al} and M_{ad} . Stud distortional buckling is based on an assumed $k_{\phi} = 0$.
4. For deflection calculations, use the effective moment of inertia.
5. The effective moment of inertia for deflection is calculated at a stress which results in a section modulus such that the stress times the section modulus at that stress is equal to the allowable moment. AISI S100-16 Spec Procedure I for serviceability determination has been used.

JamStud® Section Properties



JamStud® Section Dimensions							
Section (All Studs 50ksi)	Overall Depth	Flange Width	Return Lip 1	Return Lip 2	Inside Bend Radius	Design Thickness	Unit Weight (lbs/ft)
	D	B	d1	d2	R	t	
	(in)	(in)	(in)	(in)	(in)	(in)	
350JAM250-33	3.5	2.5	0.5892	0.5	0.105	0.0346	1.196
350JAM250-43	3.5	2.5	0.6102	0.5	0.105	0.0451	1.553
350JAM250-54	3.5	2.5	0.6332	0.5	0.105	0.0566	1.942
350JAM250-68	3.5	2.5	0.6626	0.5	0.105	0.0713	2.435
350JAM250-97	3.5	2.5	0.7234	0.5	0.105	0.1017	3.438
350JAM350-68	3.5	3.5	0.6626	0.5	0.105	0.0713	2.920
362JAM250-33	3.625	2.5	0.5892	0.5	0.105	0.0346	1.210
362JAM250-43	3.625	2.5	0.6102	0.5	0.105	0.0451	1.572
362JAM250-54	3.625	2.5	0.6332	0.5	0.105	0.0566	1.966
362JAM250-68	3.625	2.5	0.6626	0.5	0.105	0.0713	2.465
362JAM250-97	3.625	2.5	0.7234	0.5	0.105	0.1017	3.481
362JAM350-68	3.625	3.5	0.6626	0.5	0.105	0.0713	2.950
400JAM250-33	4	2.5	0.5892	0.5	0.105	0.0346	1.255
400JAM250-43	4	2.5	0.6102	0.5	0.105	0.0451	1.630
400JAM250-54	4	2.5	0.6332	0.5	0.105	0.0566	2.038
400JAM250-68	4	2.5	0.6626	0.5	0.105	0.0713	2.556
400JAM250-97	4	2.5	0.7234	0.5	0.105	0.1017	3.611
400JAM350-68	4	3.5	0.6626	0.5	0.105	0.0713	3.041
400JAM350-97	4	3.5	0.7234	0.5	0.105	0.1017	4.303
400JAM350-118	4	3.5	0.7684	0.5	0.105	0.1242	5.216
550JAM250-33	5.5	2.5	0.5892	0.5	0.105	0.0346	1.431
550JAM250-43	5.5	2.5	0.6102	0.5	0.105	0.0451	1.860
550JAM250-54	5.5	2.5	0.6332	0.5	0.105	0.0566	2.327
550JAM250-68	5.5	2.5	0.6626	0.5	0.105	0.0713	2.920
550JAM250-97	5.5	2.5	0.7234	0.5	0.105	0.1017	4.130
550JAM250-118	5.5	2.5	0.7684	0.5	0.105	0.1242	5.005
550JAM350-68	5.5	3.5	0.6626	0.5	0.105	0.0713	3.405
550JAM350-97	5.5	3.5	0.7234	0.5	0.105	0.1017	4.822
550JAM350-118	5.5	3.5	0.7684	0.5	0.105	0.1242	5.849
600JAM250-33	6	2.5	0.5892	0.5	0.105	0.0346	1.490
600JAM250-43	6	2.5	0.6102	0.5	0.105	0.0451	1.937
600JAM250-54	6	2.5	0.6332	0.5	0.105	0.0566	2.424
600JAM250-68	6	2.5	0.6626	0.5	0.105	0.0713	3.041
600JAM250-97	6	2.5	0.7234	0.5	0.105	0.1017	4.303
600JAM250-118	6	2.5	0.7684	0.5	0.105	0.1242	5.216
600JAM350-68	6	3.5	0.6626	0.5	0.105	0.0713	3.527
600JAM350-97	6	3.5	0.7234	0.5	0.105	0.1017	4.995
600JAM350-118	6	3.5	0.7684	0.5	0.105	0.1242	6.060
800JAM250-43	8	2.5	0.6102	0.5	0.105	0.0451	2.244
800JAM250-54	8	2.5	0.6332	0.5	0.105	0.0566	2.809
800JAM250-68	8	2.5	0.6626	0.5	0.105	0.0713	3.527
800JAM250-97	8	2.5	0.7234	0.5	0.105	0.1017	4.995
800JAM250-118	8	2.5	0.7684	0.5	0.105	0.1242	6.060
800JAM350-68	8	3.5	0.6626	0.5	0.105	0.0713	4.012
800JAM350-97	8	3.5	0.7234	0.5	0.105	0.1017	5.688
800JAM350-118	8	3.5	0.7684	0.5	0.105	0.1242	6.904

Material Properties

ASTM A1003/A1003M or ASTM A653/A653M, Grade 50 (340), 50ksi (340MPa) minimum yield strength, 65ksi (450 MPa) minimum tensile strength, G-60 (Z180) hot-dipped galvanized coating.



