

TITAN HEADER SYSTEM PROPERTIES

Section	Physical Properties			Gross Properties										Effective Properties					Torsional Properties						
	Thickness (in)	Lip (in)	Fy (ksi)	Area (in ²)	Weight (lb/ft)	k	Sx (in ³)	Rx (in)	Iy (in ⁴)	Sy (in ³)	Ry (in)	Ixe (in ⁴)	Sxe (in ³)	Max (in-k)	Vent(wth) (lb)	Iwe (in ⁴)	Swe (in ³)	May (in-k)	Voy(Change) (lb)	Jx1000 (in ⁶)	Cw (in ⁶)	Xo (in)	Yo (in)	m (in)	Ro (in)
3627H30-54	0.0566	0.875	50	0.563	1.917	1.282	0.855	1.485	0.555	0.862	0.975	1.242	0.589	17.64	3372	0.422	0.314	9.40	4706	0.602	2.137	-2.375	1.831	2.964	0.359
3627H30-68	0.0713	0.875	50	0.702	2.389	1.531	0.845	1.477	0.656	0.443	0.967	1.531	0.781	21.37	4370	0.534	0.404	12.10	5721	1.180	2.612	-3.355	1.371	2.943	0.360
3627H30-97	0.1017	0.875	50	0.978	3.229	2.085	1.150	1.460	0.882	0.595	0.950	2.085	1.134	26.15	5943	0.714	0.547	16.37	7595	3.773	3.497	-2.317	1.351	2.898	0.361
3627H30-54	0.0566	0.875	50	0.620	2.110	1.422	0.785	1.515	0.822	0.469	1.151	1.386	0.628	18.81	3372	0.653	0.408	12.20	5767	0.662	3.237	-2.860	1.440	3.435	0.307
3627H30-68	0.0713	0.875	50	0.773	2.631	1.756	0.959	1.507	1.010	0.576	1.143	1.756	0.812	24.31	4370	0.828	0.525	15.70	7068	1.310	3.965	-2.841	1.630	3.413	0.307
3627H30-97	0.1017	0.875	50	1.080	3.675	2.400	1.324	1.491	1.368	0.779	1.126	2.400	1.259	37.68	5943	1.115	0.715	21.41	9502	3.723	5.337	-2.803	1.610	3.369	0.307
4000H30-54	0.0566	0.875	50	0.585	1.989	1.556	0.778	1.632	0.555	0.366	0.975	1.556	0.662	19.82	3372	0.432	0.321	9.60	4706	0.624	2.519	-2.311	1.555	2.992	0.404
4000H30-68	0.0713	0.875	50	0.729	2.480	1.920	0.960	1.623	0.681	0.449	0.967	1.920	0.880	26.33	4871	0.563	0.408	12.22	5731	1.235	3.081	-2.292	1.345	2.971	0.405
4000H30-97	0.1017	0.875	50	1.016	3.459	2.621	1.311	1.606	0.917	0.603	0.950	2.621	1.296	43.59	6658	0.762	0.562	16.82	7595	3.504	4.135	-2.254	1.325	2.926	0.406
4000H30-54	0.0566	0.875	50	0.641	2.182	1.777	0.888	1.664	0.832	0.476	1.153	1.734	0.705	21.11	3372	0.667	0.415	12.43	5767	0.685	3.819	-2.292	1.613	3.449	0.345
4000H30-68	0.0713	0.875	50	0.800	2.722	2.195	1.098	1.657	1.048	0.584	1.145	2.195	0.913	27.33	4871	0.870	0.530	15.85	7068	1.356	4.683	-2.274	1.603	3.428	0.345
4000H30-97	0.1017	0.875	50	1.118	3.805	3.007	1.504	1.640	1.421	0.791	1.127	3.007	1.430	42.81	6658	1.858	0.725	21.99	9502	3.855	6.317	-2.235	1.583	3.383	0.346
6007H30-54	0.0566	0.875	50	0.698	2.375	3.963	1.321	2.383	0.642	0.384	0.959	3.963	1.202	32.21	2823	0.455	0.329	9.84	4706	0.745	5.344	-2.031	1.320	3.275	0.615
6007H30-68	0.0713	0.875	50	0.871	2.865	4.908	1.636	2.373	0.788	0.471	0.951	4.908	1.551	43.46	5350	0.610	0.417	12.48	5731	1.476	6.563	-2.013	1.221	3.254	0.617
6007H30-97	0.1017	0.875	50	1.220	4.151	6.784	2.251	2.353	1.063	0.635	0.934	6.784	2.251	73.36	10472	0.928	0.590	17.66	7595	4.205	8.880	-1.976	1.201	3.211	0.622
6007H30-54	0.0566	0.875	50	0.754	2.677	4.462	1.488	2.432	0.986	0.501	1.143	4.390	1.277	33.68	2823	0.700	0.425	12.72	5767	0.806	8.115	-2.483	1.481	3.659	0.539
6007H30-68	0.0713	0.875	50	0.943	3.207	5.534	1.845	2.423	1.214	0.616	1.135	5.534	1.610	45.70	5350	0.937	0.541	16.19	7068	1.597	9.992	-2.465	1.471	3.638	0.541
6007H30-97	0.1017	0.875	50	1.220	4.151	6.784	2.251	2.353	1.063	0.635	0.934	6.784	2.251	73.36	10472	0.928	0.590	17.66	7595	4.205	8.880	-1.976	1.201	3.211	0.622
8007H30-54	0.0566	0.875	50	0.811	2.760	7.765	1.941	3.094	0.705	0.295	0.932	7.765	1.756	44.21	2091	0.463	0.330	9.88	4706	0.866	9.659	-1.818	1.130	3.708	0.759
8007H30-68	0.0713	0.875	50	1.014	3.450	9.638	2.409	3.083	0.865	0.485	0.924	9.638	2.291	60.19	4221	0.628	0.420	12.57	5731	1.718	11.864	-1.801	1.120	3.688	0.762
8007H30-97	0.1017	0.875	50	1.423	4.843	13.327	3.332	3.000	1.167	0.654	0.906	13.327	3.332	103.13	10885	0.977	0.598	17.89	7595	4.307	16.123	-1.765	1.102	3.647	0.766
8007H30-54	0.0566	0.875	50	0.868	2.952	8.657	2.164	3.159	1.085	0.517	1.118	8.579	1.826	45.96	2091	0.712	0.427	12.78	5767	0.927	14.643	-2.244	1.372	4.033	0.690
8007H30-68	0.0713	0.875	50	1.085	3.693	10.758	2.449	3.136	1.336	0.656	1.110	10.758	2.321	62.83	4221	0.962	0.545	16.40	7068	1.839	18.066	-2.226	1.361	4.012	0.692
8007H30-97	0.1017	0.875	50	1.525	5.188	14.913	3.728	3.127	1.817	0.863	1.092	14.913	3.576	100.11	10885	1.502	0.781	23.59	9502	5.237	24.677	-2.188	1.243	3.970	0.696

1. Section properties are based on the AISI S100-07 with Supplement S2-10 with U.S. provisions.
 2. The structural properties are based on allowable strength design (ASD).
 3. The distortional buckling calculations are based on K₀-0.
 4. Effective properties incorporate the strength increase from the cold work of forming.
 5. Tabulated gross properties are based on the full-unreduced cross section away from punchouts.



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TITAN

HEADER SYSTEM



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TAKING BUILDSTRONG TO A WHOLE NEW LEVEL. INTRODUCING THE TITAN LINE OF PRODUCTS FROM TELLING INDUSTRIES.

The Titan one piece wide flange header and jamb offers a better solution for framing multiple openings than the conventional lay-in or boxed headers.

MATERIAL SPECIFICATIONS:

ASTM 1003, Grade 50

PRODUCT AVAILABILITY:

Titan Header & Jamb

- **Widths:** 3-5/8", 4", 6", & 8"
- **Flanges:** 2-1/2" & 3"
- **Lip/Return:** 7/8"
- **Thickness:**
 - 54 mils (16ga) 50KSI
 - 68 mils (14ga) 50KSI
 - 97 mils (12ga) 50KSI

Titan Header Clip

- **Sizes:** 3-5/8", 6" & 8" x 2-1/4"
- **Thickness:** 68 mils (14ga) 50KSI

SYSTEM ADVANTAGES:

- Saves over 50% in installation and material over conventional framing.
- Substantial reduction in number of screws needed over conventional framing.
- No more built-up jambs and headers.
- Header quickly attaches to jamb with fully tested, pre-drilled Titan Header Clip.

