

RedHeader RO™ - Jamb profile data:


- Jamb widths:
 - 3-5/8", 4", 6" and 8"
- Jamb thickness:
 - 33mils (20ga) 33 ksi
 - 43mils (18ga) 33 ksi
 - 54mils (16ga) 50 ksi
 - 68mils (14ga) 50 ksi
 - 97mils (12ga) 50 ksi
 - All material G60 (G90 available)
- Jamb flanges:
 - 3" and 3-1/2"*
 - (* 3-1/2" flange only available in 54, 68 and 97 mils)
- Jamb lip/return: 7/8"




Jamb stud section properties:

Section (ksi)	Design thickness (in)	Gross								Effective				Torsional				
		Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	S _y (in ³)	R _y (in)	I _{xe} (in ⁴)	S _{xe} (in ³)	Max (in-k)	V _{ax} (lb)	J _x 1000 (in ⁴)	C _w (in ⁶)	X _o (in)	R _o (in)	Beta
362JS300-33 (33)	0.0346	0.383	1.30	0.891	0.492	1.525	0.517	0.295	1.162	0.622	0.343	5.09	1024	0.153	2.050	-2.921	3.493	0.301
362JS300-43 (33)	0.0451	0.498	1.69	1.150	0.635	1.520	0.667	0.378	1.157	0.967	0.534	7.92	1739	0.337	2.620	-2.908	3.480	0.302
362JS300-54 (50)	0.0566	0.620	2.11	1.422	0.785	1.515	0.822	0.354	1.151	1.262	0.640	19.17	3372	0.662	3.214	-2.901	3.469	0.301
362JS300-68 (50)	0.0713	0.773	2.63	1.756	0.969	1.507	1.010	0.476	1.143	1.598	0.822	24.60	4369	1.310	3.929	-2.894	3.457	0.299
362JS300-97 (50)	0.1017	1.080	3.68	2.400	1.324	1.491	1.368	0.715	1.126	2.337	1.264	37.85	5943	3.723	5.266	-2.880	3.433	0.296
362JS350-54 (50)	0.0566	0.677	2.30	1.603	0.884	1.539	1.185	0.430	1.324	1.344	0.654	19.57	3372	0.723	4.586	-3.391	3.952	0.264
362JS350-68 (50)	0.0713	0.845	2.87	1.981	1.093	1.532	1.460	0.577	1.315	1.716	0.851	25.47	4369	1.431	5.620	-3.384	3.941	0.262
362JS350-97 (50)	0.1017	1.182	4.02	2.716	1.498	1.516	1.988	0.900	1.297	2.508	1.298	38.87	5943	4.074	7.567	-3.371	3.917	0.260
400JS300-33 (33)	0.0346	0.396	1.35	1.111	0.556	1.675	0.536	0.298	1.164	0.776	0.388	5.76	976	0.158	2.414	-2.852	3.506	0.338
400JS300-43 (33)	0.0451	0.515	1.75	1.436	0.718	1.670	0.691	0.383	1.159	1.203	0.602	8.93	1739	0.349	3.087	-2.839	3.492	0.339
400JS300-54 (50)	0.0566	0.641	2.18	1.777	0.888	1.664	0.852	0.365	1.153	1.576	0.722	21.61	3372	0.685	3.789	-2.832	3.481	0.338
400JS300-68 (50)	0.0713	0.800	2.72	2.195	1.098	1.657	1.048	0.491	1.145	2.000	0.931	27.87	4871	1.356	4.637	-2.824	3.469	0.337
400JS300-97 (50)	0.1017	1.118	3.81	3.007	1.504	1.640	1.421	0.735	1.127	2.930	1.436	42.98	6658	3.855	6.226	-2.809	3.443	0.334
400JS350-54 (50)	0.0566	0.698	2.38	1.997	0.998	1.691	1.229	0.443	1.327	1.673	0.735	22.02	3372	0.745	5.413	-3.317	3.953	0.296
400JS350-68 (50)	0.0713	0.871	2.97	2.471	1.235	1.684	1.514	0.596	1.318	2.142	0.962	28.80	4871	1.476	6.639	-3.310	3.941	0.295
400JS350-97 (50)	0.1017	1.220	4.15	3.394	1.697	1.668	2.063	0.925	1.301	3.136	1.471	44.05	6658	4.205	8.955	-3.295	3.915	0.292
600JS300-33 (33)	0.0346	0.465	1.58	2.778	0.926	2.443	0.620	0.298	1.154	1.900	0.633	9.37	638	0.186	5.095	-2.537	3.706	0.532
600JS300-43 (33)	0.0451	0.605	2.06	3.597	1.199	2.439	0.799	0.404	1.150	2.957	0.986	17.45	1415	0.410	6.534	-2.525	3.694	0.533
600JS300-54 (50)	0.0566	0.754	2.57	4.462	1.487	2.432	0.986	0.405	1.143	4.048	1.264	37.84	2822	0.806	8.042	-2.516	3.681	0.533
600JS300-68 (50)	0.0713	0.943	3.21	5.534	1.845	2.423	1.214	0.541	1.135	5.086	1.595	47.76	5350	1.597	9.876	-2.506	3.666	0.533
600JS300-97 (50)	0.1017	1.322	4.50	7.639	2.546	2.404	1.649	0.771	1.117	7.448	2.432	72.83	10471	4.556	13.357	-2.487	3.635	0.532
600JS350-54 (50)	0.0566	0.811	2.76	4.962	1.654	2.474	1.422	0.492	1.324	4.274	1.288	38.55	2822	0.866	11.508	-2.977	4.091	0.470
600JS350-68 (50)	0.0713	1.014	3.45	6.161	2.054	2.465	1.754	0.666	1.315	5.413	1.647	49.30	5350	1.718	14.162	-2.967	4.076	0.470
600JS350-97 (50)	0.1017	1.423	4.84	8.523	2.841	2.447	2.395	0.970	1.297	7.893	2.482	74.30	10471	4.907	19.241	-2.948	4.045	0.469
800JS300-43 (33)	0.0451	0.695	2.37	6.967	1.742	3.166	0.879	0.416	1.125	5.339	1.335	23.74	1051	0.471	11.772	-2.280	4.061	0.685
800JS300-54 (50)	0.0566	0.868	2.95	8.657	2.164	3.159	1.085	0.427	1.118	7.763	1.798	35.53	2091	0.927	14.514	-2.271	4.048	0.685
800JS300-68 (50)	0.0713	1.085	3.69	10.758	2.690	3.149	1.336	0.545	1.110	9.942	2.356	70.54	4220	1.839	17.863	-2.261	4.032	0.686
800JS300-97 (50)	0.1017	1.525	5.19	14.913	3.728	3.127	1.817	0.781	1.092	14.543	3.568	106.81	10885	5.257	24.272	-2.239	3.998	0.686
800JS350-54 (50)	0.0566	0.924	3.15	9.550	2.388	3.215	1.567	0.521	1.302	8.035	1.780	53.28	2091	0.987	20.765	-2.708	4.400	0.621
800JS350-68 (50)	0.0713	1.157	3.94	11.879	2.970	3.205	1.935	0.681	1.293	10.530	2.429	72.73	4220	1.960	25.608	-2.698	4.384	0.621
800JS350-97 (50)	0.1017	1.627	5.54	16.499	4.125	3.185	2.644	0.983	1.275	15.322	3.635	108.82	10885	5.608	34.944	-2.676	4.351	0.622

Notes: Tables are based on using 2001 AISI NASPEC Code w/2004 supplement (ASD) including Cold Work of Forming per AISI A7.2
 Design for interior sections (-33mil and -43mil) shall be based on Direct Strength Method, with an additional 10% reduction of the allowable loads generated by DSM.

One RedHeader jamb stud

(1) RedHeader jamb stud: No track or screws required to build up sections

Replaces

Typical built-up jamb with: (2) 1-5/8" flange studs & (1) track w/ (4) screws at 16" oc