

Kwik-Jamb™ Stud “KJS”

Kwik-Jamb™ is a highly innovative multipurpose addition to the light gauge steel stud industry for Load Bearing Jambs, Posts, Headers and Trusses.

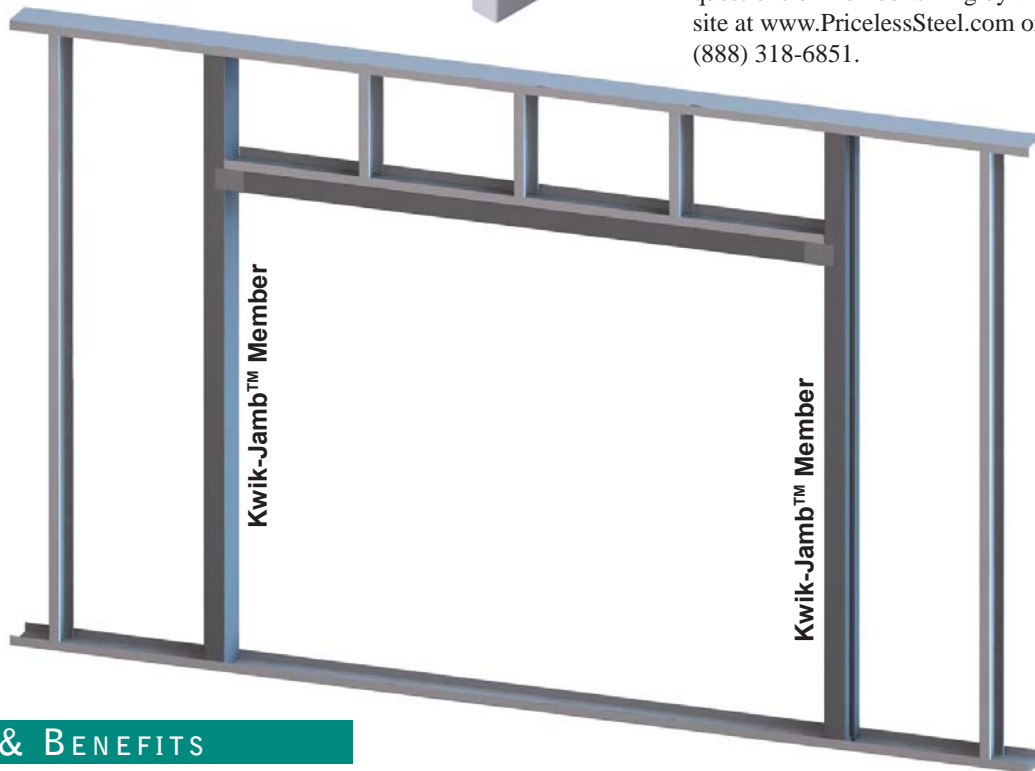
PRODUCT APPLICATION

- Headers, Jambs and Sills for Curtain-Walls
- Post for Shear Walls
- Trusses
- Window and Door Jambs
- Load Bearing Studs
- Used in Heavy Load Applications



PRODUCT INFORMATION

Kwik-Jamb™ will efficiently reduce framing members, saving over 50% in material & labor costs when compared with “C” shaped studs. This means eliminating nesting track, boxed headers, multi-member truss webs and chords. Kwik-Jamb’s™ SCAFCO design conveys greater axial strengths and stiffening, providing excellent load capacity. This high performance stud won’t only give you superior strength; it also improves finish quality around windows and doors by reducing excess screw build-up and steel bowing from searing welds. Please contact Priceless Steel Products on any design questions or member sizing by visiting our web site at www.PricelessSteel.com or by calling (888) 318-6851.



Jamb Stud

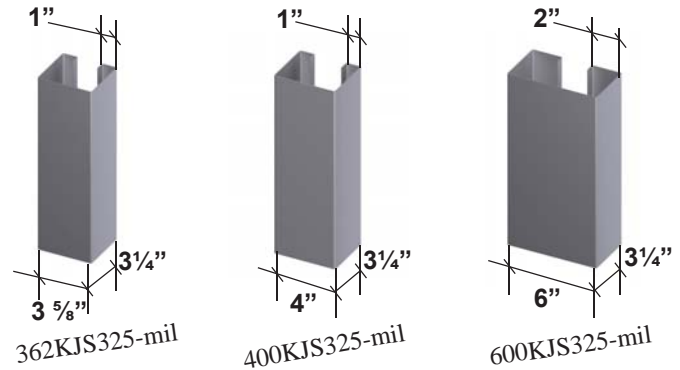
FEATURES & BENEFITS

- Conveys greater axial strength
- Improved stiffness for deflection
- Excellent for load bearing applications
- Simplifies engineer design for jambs and header
- Excellent bending strength in both (x) & (y) directions
- Increased load capacity over a standard “C-shaped” stud
- Lighter weight results in shipping efficiencies and easier handling
- Reduces framing members saving over 50% in material & labor costs
- Cuts overall material use in half increasing profitability and reducing install time

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MATERIAL COMPOSITION

ASTM: A 653 / A 653M
 Yield Strength: 33 ksi for 33 & 43 mil
 50 ksi for 54 & 68 mil
 Coating: Hot Dipped Galvanized G60 coating
 Material Thickness: 33 mil (20 gauge)
 Design Thickness: 0.0346 inches
 Material Thickness: 43 mil (18 gauge)
 Design Thickness: 0.0451 inches
 Material Thickness: 54 mil (16 gauge)
 Design Thickness: 0.0566 inches
 Material Thickness: 68 mil (14 gauge)
 Design Thickness: 0.0713 inches



ALLOWABLE LOAD TABLES

General Properties					Gross Properties						
Member	Mil	Fy	Inside Corner Radii	Design thickness	Area	Weight	Ix	Sx	Rx	Iy	Ry
		(ksi)	(in)	(in)	(in ²)	(lb/ft)	(in ⁴)	(in ³)	(in)	(in ⁴)	(in)
362KJS325-33	33	33	0.076	0.035	0.447	1.521	0.980	0.541	1.480	0.732	1.280
362KJS325-43	43	33	0.071	0.045	0.580	1.972	1.266	0.698	1.477	0.943	1.275
362KJS325-54	54	50	0.085	0.057	0.721	2.452	1.566	0.864	1.473	1.160	1.268
362KJS325-68	68	50	0.107	0.071	0.897	3.050	1.934	1.067	1.468	1.422	1.259
400KJS325-33	33	33	0.076	0.035	0.460	1.565	1.229	0.614	1.634	0.761	1.286
400KJS325-43	43	33	0.071	0.045	0.597	2.030	1.588	0.794	1.631	0.981	1.282
400KJS325-54	54	50	0.085	0.057	0.743	2.525	1.965	0.983	1.627	1.206	1.275
400KJS325-68	68	50	0.107	0.071	0.924	3.141	2.430	1.215	1.622	1.479	1.265
600KJS325-33	33	33	0.076	0.035	0.599	2.035	3.170	1.057	2.301	1.121	1.369
600KJS325-43	43	33	0.071	0.045	0.777	2.643	4.106	1.369	2.298	1.446	1.364
600KJS325-54	54	50	0.085	0.057	0.969	3.294	5.100	1.700	2.294	1.787	1.358
600KJS325-68	68	50	0.107	0.071	1.209	4.110	6.333	2.111	2.289	2.204	1.350

Member	Effective Properties							Torsional Properties			
	Ix	Sx	Mx	Tension		Compression		Jx1000	Cw	Xo	Ro
				Iy	My	Iy	My				
(in ⁴)	(in ³)	(in-k)	(in ⁴)	(in-k)	(in ⁴)	(in-k)	(in ⁴)	(in ⁶)	(in)	(in)	
362KJS325-33	0.813	0.507	7.946	0.728	8.344	0.579	6.516	0.179	4.706	-3.584	4.083
362KJS325-43	1.122	0.670	11.361	0.943	10.828	0.802	9.382	0.393	5.962	-3.565	4.064
362KJS325-54	1.402	0.832	21.638	1.160	21.120	0.998	17.854	0.770	7.178	-3.540	4.039
362KJS325-68	1.839	1.049	29.402	1.422	24.552	1.314	23.807	1.520	8.546	-3.506	4.004
400KJS325-33	1.025	0.577	9.111	0.757	8.462	0.582	6.560	0.184	5.282	-3.516	4.085
400KJS325-43	1.412	0.763	12.991	0.981	10.984	0.808	9.479	0.405	6.699	-3.497	4.066
400KJS325-54	1.766	0.947	24.742	1.206	20.415	1.005	18.050	0.793	8.079	-3.471	4.040
400KJS325-68	2.313	1.195	33.545	1.479	24.919	1.331	23.927	1.565	9.638	-3.436	4.005
600KJS325-33	2.594	0.984	15.240	1.046	11.463	0.721	7.251	0.239	22.937	-3.726	4.588
600KJS325-43	3.699	1.311	22.993	1.423	16.067	1.012	10.576	0.527	29.305	-3.710	4.572
600KJS325-54	4.612	1.639	43.439	1.696	28.207	1.266	20.207	1.035	35.731	-3.689	4.551
600KJS325-68	6.060	2.075	58.933	2.184	37.252	1.696	28.299	2.049	43.287	-3.661	4.524

- Properties calculated per AISI NASPEC 2004
- Effective Properties do not incorporate strength increase due to cold work of forming.
- Up to 12' standard lengths ...over 12' can be accommodated, see your local sales rep.
- Product is supplied unpunched, please state if punch-outs are desired at the time of order.