

Header Assembly

Patent Pending



Lowering
Project Costs,
One Header
at a Time.

That's **Priceless**



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Cutting costs, while maintaining the highest quality materials.

That's Priceless.

Sturdy, well-designed structures don't just happen. It takes skilled professionals using quality products.

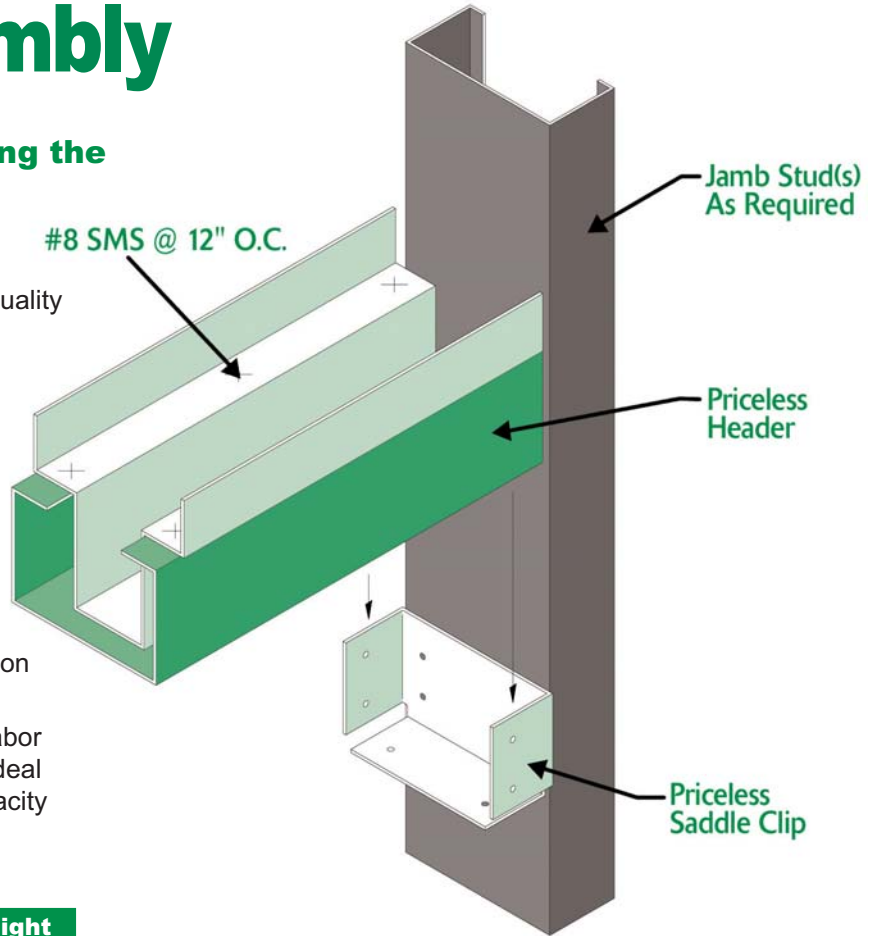
That's where **Priceless** Steel Products offer the perfect assembly to do the job. By building with the **Priceless Header**, installation time can be reduced by **50% to 75%**. In most cases, installation can be performed by **one person**, creating additional cost savings.

With fewer parts and no additional requirements for track assembly, the **Priceless Header** saves not only installation time, but assembly time as well.

Quality materials coupled with substantial labor savings make the **Priceless Header** the ideal solution for providing maximum carrying capacity at a great price.

That's Priceless.

Priceless Header	Thickness		Header Width	Weight Per Foot
	Gauge	Mils		
362HDR200-33	20	33	3 5/8"	2.21 lbs.
362HDR200-43	18	43	3 5/8"	2.86 lbs.
362HDR250-43	18	43	3 5/8"	3.17 lbs.
362HDR300-54	16	54	3 5/8"	4.33 lbs.
362HDR350-54	16	54	3 5/8"	4.71 lbs.
362HDR300-68	14	68	3 5/8"	5.39 lbs.
362HDR450-68	14	68	3 5/8"	6.84 lbs.
400HDR200-33	20	33	4"	2.30 lbs.
400HDR200-43	18	43	4"	2.98 lbs.
400HDR250-43	18	43	4"	3.28 lbs.
400HDR300-54	16	54	4"	4.47 lbs.
400HDR350-54	16	54	4"	4.85 lbs.
400HDR300-68	14	68	4"	5.57 lbs.
400HDR450-68	14	68	4"	7.02 lbs.
600HDR200-33	20	33	6"	2.77 lbs.
600HDR200-43	18	43	6"	3.59 lbs.
600HDR250-43	18	43	6"	3.90 lbs.
600HDR300-54	16	54	6"	5.24 lbs.
600HDR350-54	16	54	6"	5.63 lbs.
600HDR300-68	14	68	6"	6.54 lbs.
600HDR450-68	14	68	6"	8.00 lbs.
800HDR200-43	18	43	8"	4.20 lbs.
800HDR250-43	18	43	8"	4.51 lbs.
800HDR300-54	16	54	8"	6.01 lbs.
800HDR350-54	16	54	8"	6.39 lbs.
800HDR300-68	14	68	8"	7.50 lbs.
800HDR450-68	14	68	8"	8.96 lbs.



Priceless Features:

- Saves up to **50% to 75%** or more on labor costs
- Installed with less labor and time than conventional header systems
- Available in custom lengths to reduce waste
- Fewer parts save on installation time versus conventional systems
- Pre-assembled unit engineered to fit standard door and window openings
- Header assembly can be used at the top or bottom of openings requiring headers
- Exceeds allowable header section properties based on AISI recommendations
- SS Grade 50, Class 2, 33 and 57 ksi Steel
- **Priceless Headers** cost less than typical box header systems

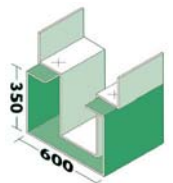
Member Depth:
(Example: 6"=600 x 1/100 inches)
All member depths are in 1/100

Flange Width:
(Example: 3 1/2"=3.500"≈350 x 1/100 inches)

600 HDR 350 - 54

Style: Header

Material Thickness:
(Example: 0.054 in. = **54** mils; 1 mil = 1/1000 in.)
Material thickness is the minimum base metal thickness in mils, which represents 95% of the design thickness.



Providing Quality Parts & Accessories to the Steel Framing Industry

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Allowable Interior Partition Header Spans, W (ft)								
6 psf Dead Load L/120 & L/240 Lateral Deflection								
H (ft)	8	9	10	11	12	13	14	15
362HDR200-33	11.25	9.67	8.61	7.84	7.24	6.76	6.37	6.04
362HDR200-43	13.38	11.51	10.25	9.33	8.62	8.05	7.58	7.19
362HDR250-43	15.20	13.21	11.84	10.82	10.03	9.39	8.85	8.40
362HDR300-54	18.95	18.22	16.82	15.62	14.70	13.96	13.35	12.84
362HDR350-54	19.44	18.69	18.05	17.46	16.43	15.61	14.80	14.09
362HDR300-68	20.52	19.73	18.57	17.24	16.23	15.41	14.74	14.18
362HDR450-68	21.88	21.04	20.31	19.68	19.11	18.61	18.16	17.74
400HDR200-33	11.69	10.00	8.88	8.07	7.45	6.95	6.54	6.20
400HDR200-43	13.93	11.93	10.60	9.63	8.89	8.30	7.81	7.40
400HDR250-43	15.85	13.71	12.25	11.18	10.34	9.67	9.12	8.65
400HDR300-54	20.62	18.87	17.15	15.92	14.98	14.23	13.61	13.08
400HDR350-54	21.17	20.35	19.15	17.78	16.73	15.89	15.20	14.61
400HDR300-68	22.34	20.78	18.88	17.53	16.50	15.67	14.99	14.41
400HDR450-68	23.82	22.90	22.11	21.42	20.80	20.26	19.76	19.04
600HDR200-33	13.22	11.15	9.82	8.88	8.16	7.59	7.13	6.74
600HDR200-43	15.87	13.37	11.78	10.64	9.78	9.10	8.55	8.08
600HDR250-43	18.27	15.52	13.73	12.44	11.46	10.68	10.04	9.50
600HDR300-54	22.91	20.02	18.19	16.88	15.89	15.09	14.43	13.88
600HDR350-54	25.61	22.37	20.32	18.87	17.75	16.87	16.13	15.51
600HDR300-68	25.25	22.06	20.04	18.60	17.51	16.63	15.91	15.29
600HDR450-68	33.48	29.54	26.84	24.91	23.44	22.27	21.30	20.48

Allowable Interior Partition Header Spans, W (ft)								
12 psf Dead Load L/120 & L/240 Lateral Deflection								
H (ft)	8	9	10	11	12	13	14	15
362HDR200-33	8.87	7.47	6.58	5.94	5.46	5.08	4.77	4.51
362HDR200-43	10.56	8.90	7.83	7.08	6.51	6.05	5.69	5.38
362HDR250-43	12.28	10.43	9.23	8.36	7.70	7.18	6.75	6.39
362HDR300-54	16.82	14.70	13.35	12.40	11.66	11.08	10.54	9.99
362HDR350-54	18.81	16.43	14.93	13.86	13.04	12.37	11.65	11.05
362HDR300-68	18.57	16.23	14.74	13.69	12.88	12.23	11.70	11.25
362HDR450-68	21.88	21.04	19.58	18.18	17.11	16.25	15.50	14.73
400HDR200-33	9.12	7.66	6.73	6.08	5.58	5.19	4.87	4.60
400HDR200-43	10.89	9.15	8.04	7.26	6.67	6.20	5.82	5.50
400HDR250-43	12.67	10.72	9.46	8.56	7.88	7.34	6.89	6.52
400HDR300-54	17.15	14.98	13.61	12.63	11.89	11.29	10.80	10.27
400HDR350-54	19.15	16.73	15.20	14.11	13.28	12.61	12.01	11.38
400HDR300-68	18.88	16.50	14.99	13.91	13.09	12.44	11.90	11.44
400HDR450-68	23.82	21.92	19.92	18.49	17.40	16.53	15.81	15.20
600HDR200-33	9.99	8.31	7.26	6.53	5.99	5.56	5.21	4.92
600HDR200-43	11.98	9.96	8.70	7.83	7.17	6.66	6.24	5.89
600HDR250-43	14.04	11.73	10.28	9.26	8.50	7.89	7.40	7.00
600HDR300-54	18.19	15.89	14.43	13.40	12.61	11.98	11.46	11.01
600HDR350-54	20.32	17.75	16.13	14.98	14.09	13.39	12.80	12.31
600HDR300-68	20.04	17.51	15.91	14.77	13.90	13.20	12.62	12.14
600HDR450-68	26.84	23.44	21.30	19.77	18.61	17.68	16.91	16.26

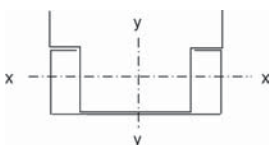
Notes:

- Spans based on 5 psf lateral load in combination with the listed dead load.
- 6 psf dead load approximates a wall with 1-layer GWB ea side.
- 12 psf dead load approximates a wall with 2-layer GWB ea side.
- Allowable spans are the minimum value based on combined flexural stress, deflection and shear.
- Allowable spans apply to openings with or without sill members.
- Strength checks do not include the 0.75 factor (1/3 stress increase) for wind/earthquake loading.
- Vertical Deflection Limited to L/240 all cases.

Header Section Properties												
Section	Gross						Effective				Shear	
	Area (in ²)	Wt (lb/ft)	I _{xx} (in ⁴)	r _x (in)	I _{yy} (in ⁴)	r _y (in)	I _{xx} (in ⁴)	M _{ax} (ft-lb)	I _{yy} (in ⁴)	M _{ay} (ft-lb)	V _{ax} (lb)	V _{ay} (lb)
362HDR200-33	0.649	2.21	0.522	0.897	1.132	1.123	0.420	311	1.030	812	2390	3248
362HDR200-43	0.841	2.86	0.670	0.893	1.452	1.275	0.599	443	1.372	1137	3520	4209
362HDR250-43	0.931	3.17	1.058	1.066	1.625	1.235	0.956	652	1.536	1232	3520	5399
362HDR300-54	1.272	4.33	1.928	1.231	2.215	1.341	1.743	1664	2.075	2446	6588	12303
362HDR350-54	1.384	4.71	2.705	1.398	2.426	1.317	2.435	2140	2.242	2487	6588	13782
362HDR300-68	1.584	5.39	2.372	1.224	2.720	1.491	2.346	2297	2.636	3140	8305	15079
362HDR450-68	2.009	6.84	5.923	1.717	3.515	1.431	5.500	4243	3.196	3282	8305	21871
400HDR200-33	0.675	2.30	0.555	0.907	1.449	1.264	0.442	319	1.331	954	2459	3248
400HDR200-43	0.875	2.98	0.712	0.902	1.861	1.436	0.631	457	1.772	1339	3743	4209
400HDR250-43	0.965	3.28	1.121	1.078	2.080	1.389	1.003	666	1.981	1444	3743	5399
400HDR300-54	1.313	4.47	2.033	1.244	2.832	1.509	1.845	1721	2.676	2878	7013	12303
400HDR350-54	1.426	4.85	2.849	1.413	3.106	1.482	2.571	2208	2.893	2923	7013	13782
400HDR300-68	0.835	2.84	2.506	1.733	3.489	1.419	2.466	2356	3.402	3677	9375	15079
400HDR450-68	2.062	7.02	6.211	1.735	4.503	1.611	5.784	4365	4.121	3863	9375	21871
600HDR200-33	0.813	2.77	0.694	0.924	3.983	2.213	0.531	349	3.759	1755	2259	3248
600HDR200-43	1.055	3.59	0.891	0.919	5.137	2.206	0.763	501	4.989	2562	4049	4209
600HDR250-43	1.145	3.90	1.378	1.097	5.709	2.233	1.199	721	5.537	2731	4049	5399
600HDR300-54	1.539	5.24	2.508	1.276	7.778	2.248	2.202	1857	7.489	5465	7776	12303
600HDR350-54	1.654	5.63	3.494	1.454	8.505	2.268	3.074	2393	8.041	5554	7776	13782
600HDR300-68	1.923	6.54	3.096	1.269	9.629	2.238	2.947	2538	9.519	6921	12499	15079
600HDR450-68	2.351	8.00	7.545	1.791	12.343	2.291	7.076	4856	11.449	7372	12499	21871
800HDR200-43	1.236	4.20	1.018	0.908	10.523	2.918	0.853	524	10.292	3915	3280	4209
800HDR250-43	1.326	4.51	1.589	1.095	11.636	2.963	1.337	753	11.372	4095	3280	5399
800HDR300-54	1.767	6.01	2.865	1.273	15.815	2.992	2.450	1926	15.356	8191	6337	12303
800HDR350-54	1.879	6.39	3.979	1.455	17.194	3.025	3.409	2478	16.393	8115	6337	12782
800HDR300-68	2.205	7.50	3.527	1.265	19.570	2.979	3.285	2634	19.428	10682	11351	15079
800HDR450-68	2.633	8.96	8.555	1.803	24.811	3.070	7.873	5042	23.051	11486	11351	21871

Notes:

- Effective Properties based on the 1996 AISI "Specification for the Design of Cold-Formed Steel Structural Members" including the 1999 Supplement.
- 33 and 43-mil members based on Fy = 33 ksi. 54 and 68-mil based on Fy = 50 ksi.
- Effective I_{xx} is the Moment of Inertia for deflection based on AISI 'Procedure 1'.
- Allowable Moment (Max and May) of combined section are based on a non-composite relative stiffness model.



Header Assembly

Patent Pending

Distribution:

Priceless Steel Products are readily available through our nationwide distribution network.

About **Priceless** Steel Products:

At **Priceless** Steel Products we are committed to bringing the best product to the field. Our labor saving headers will save time and money while providing one of the most durable headers on the market.

Other Products Available:

Priceless Steel Products also provide such quality products as:

- Slide Clips
- Curved Track
- Arched Track
- Curved Angle

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