

LEGEND:

GR: Powder Coated Supr-Green **EG:** Electro-Galvanized **PG:** Pre-Galvanized **AL:** Aluminum **HG:** Hot Dipped Galvanized **PL:** Plain **SS:** Stainless Steel **ZTC:** Zinc Trivalent Chromium

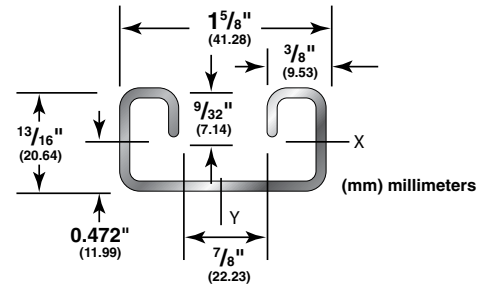
AS 500

13/16" x 1 5/8"

14 Gauge Channel wt./100 ft. - 103#

Stocked in pre-galvanized, plain and powder coated Supr-Green, in both 10 and 20 ft. lengths. Other materials, finishes and lengths are available upon request.

See page 16 for welded combinations.



PROPERTIES OF SECTION



I = Moment of Inertia S = Section Modulus r = Radius of Gyration


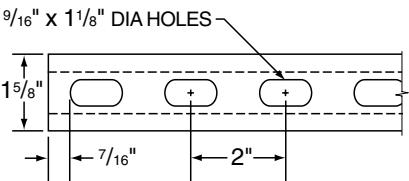
	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs	kg	Sq. In.	Sq. Cm.	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm.	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm.
AS 500	1.03	0.47	0.286	1.845	0.025	1.041	0.053	0.869	0.298	0.757	0.106	4.412	0.131	2.147	0.610	1.549
AS 500BTB	2.06	0.93	0.571	3.684	0.115	4.787	0.149	2.442	0.449	1.140	0.213	8.866	0.262	4.293	0.610	1.549


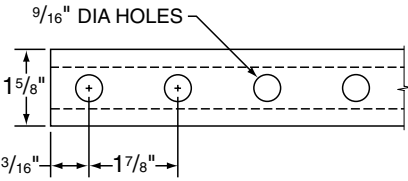
AS 500 BEAM AND COLUMN LOADS


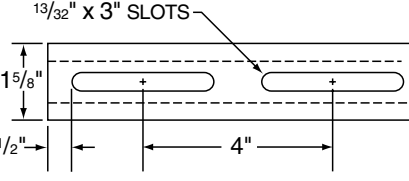
Span or Column	Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.	Static Beam Load (X-X Axis)							
			Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm ²)		Deflection @ 25,000 PSI (1758 Kg/cm ²)		Uniform Load @ 1/240		Uniform Load @ 1/360	
			Lbs	kg	Lbs	kg	Lbs	kg	Lbs	kg
In	mm									
12	305	AS 500	3,598	1,632	887	402	0.027	0.686	**	**
		AS 500 BTB	7,434	3,372	870 ***	395	0.016	0.406	**	**
18	457	AS 500	3,340	1,515	591	268	0.060	1.524	**	**
		AS 500 BTB	7,140	3,239	870 ***	395	0.037	0.940	**	**
24	610	AS 500	3,086	1,400	444	201	0.106	2.692	416	189
		AS 500 BTB	6,867	3,115	870 ***	395	0.066	1.676	**	**
30	762	AS 500	2,854	1,295	355	161	0.166	4.216	266	121
		AS 500 BTB	6,642	3,013	870 ***	395	0.102	2.591	**	**
36	914	AS 500	2,645	1,200	296	134	0.240	6.096	185	84
		AS 500 BTB	6,466	2,933	826	375	0.147	3.734	**	**
42	1,067	AS 500	2,449	1,111	254	115	0.327	8.306	136	62
		AS 500 BTB	6,331	2,872	708	321	0.201	5.105	617	280
48	1,219	AS 500	2,259	1,025	222	101	0.427	10.846	104	47
		AS 500 BTB	6,228	2,825	619	281	0.262	6.655	472	214
60	1,524	AS 500	*	*	177	80	0.667	16.942	66	30
		AS 500 BTB	5,648	2,562	496	225	0.410	10.414	302	137
72	1,829	AS 500	*	*	148	67	0.960	24.384	46	21
		AS 500 BTB	4,711	2,137	413	187	0.590	14.986	210	95
84	2,134	AS 500	*	*	127	58	1.037	26.340	34	15
		AS 500 BTB	3,623	1,643	354	161	0.803	20.396	154	70
96	2,438	AS 500	*	*	111	50	1.707	43.358	26	12
		AS 500 BTB	*	*	310	141	1.049	26.645	118	54
108	2,743	AS 500	*	*	99	45	2.160	54.864	21	10
		AS 500 BTB	*	*	275	125	1.328	33.731	93	42
120	3,048	AS 500	*	*	89	40	2.668	67.767	17	8
		AS 500 BTB	*	*	248	112	1.640	41.656	76	34
180	4,572	AS 500	*	*	59	27	6.003	152.476	7	3
		AS 500 BTB	*	*	165	75	3.689	93.701	34	15
240	6,096	AS 500	*	*	44	20	10.672	271.069	4	2
		AS 500 BTB	*	*	124	56	6.560	166.624	19	9

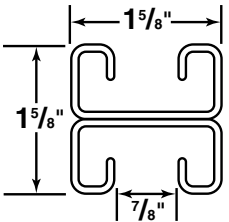
For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

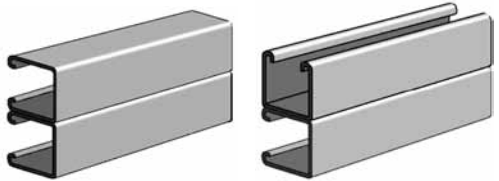
<input type="checkbox"/> AS 500	<input type="checkbox"/> PL, <input type="checkbox"/> GR, <input type="checkbox"/> PG, <input type="checkbox"/> Other _____
SOLID	
	
	
Wt/100 Ft: 97 lbs.	

<input type="checkbox"/> AS 500EH	<input type="checkbox"/> PL, <input type="checkbox"/> GR, <input type="checkbox"/> PG, <input type="checkbox"/> Other _____
WITH ELONGATED HOLES	
	
	
Wt/100 Ft: 87 lbs.	

<input type="checkbox"/> AS 500H	<input type="checkbox"/> PL, <input type="checkbox"/> GR, <input type="checkbox"/> PG, <input type="checkbox"/> Other _____
WITH HOLES	
	
	
<p>3/4" dia. holes available AS 500H MOD</p> <p>Wt/100 Ft: 87 lbs.</p>	

<input type="checkbox"/> AS 500S	<input type="checkbox"/> PL, <input type="checkbox"/> GR, <input type="checkbox"/> PG, <input type="checkbox"/> Other _____
WITH LONG SLOTS	
	
	
Wt/100 Ft: 87 lbs.	

<input type="checkbox"/> AS 500BTB	<input type="checkbox"/> Solid <input type="checkbox"/> EH <input type="checkbox"/> H <input type="checkbox"/> Other _____
<input type="checkbox"/> PL, <input type="checkbox"/> GR, <input type="checkbox"/> PG, <input type="checkbox"/> Other _____	
BTB WELDED	
	
Wt/100 Ft: 194 lbs.	

<input type="checkbox"/> AS 500 Welded	<input type="checkbox"/> Solid <input type="checkbox"/> EH <input type="checkbox"/> H <input type="checkbox"/> Other _____
<input type="checkbox"/> PL, <input type="checkbox"/> GR, <input type="checkbox"/> PG, <input type="checkbox"/> Other _____	
OTHER WELDED	
	
<p><input type="checkbox"/> BTS: Back-to-Side <input type="checkbox"/> STS: Side-to-Side <input type="checkbox"/> STSR: Side-to-Opposite Side</p> <p><input type="checkbox"/> BTB4: (2) Back-to-Back (Four pieces) <input type="checkbox"/> BTSB3: Back-to-Side-to-Back (Three pieces)</p> <p><input type="checkbox"/> STS3: Side-to-Side-to-Side (Three pieces)</p>	

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PROJECT INFORMATION		APPROVAL STAMP
Project:		<input type="checkbox"/> Approved
Address:		<input type="checkbox"/> Approved as noted
Contractor:		<input type="checkbox"/> Not approved
Engineer:		Remarks:
Submittal Date:		
Notes 1:		
Notes 2:		