

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

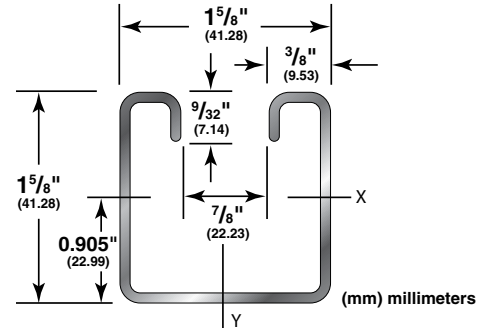
AS 210

1⁵/₈" X 1⁵/₈"

14 Gauge Channel wt./100 ft. - 145#

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

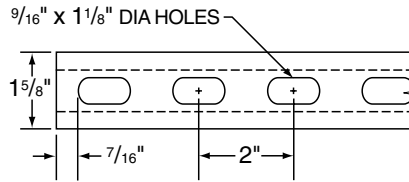
	Wt./Ft.		Area of Section		X-X Axis						Y-Y Axis					
	Lbs	kg	Sq. In.	Sq. Cm.	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm.	I in ⁴	I cm ⁴	S in ³	S cm ³	r in.	r cm.
AS 210	1.45	0.66	0.407	2.626	0.143	5.952	0.158	2.589	0.593	1.506	0.179	7.451	0.221	3.622	0.664	1.687
AS 210BTB	2.90	1.32	0.814	5.252	0.706	29.386	0.445	7.292	0.931	2.365	0.359	14.943	0.441	7.227	0.664	1.687

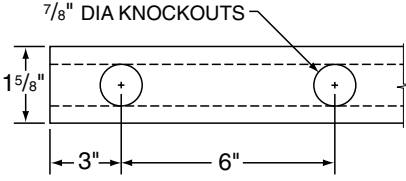
AS 210 BEAM AND COLUMN LOADS

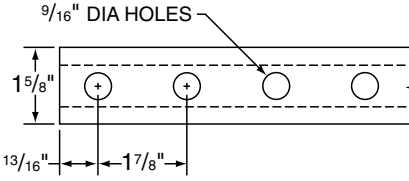
Span or Column	Anvil-Strut™ Catalog #	Max Load of Column Loaded @ C.G.	Static Beam Load (X-X Axis)							
			Allowable Uniform Load @ 25,000 PSI (1758 Kg/cm ²)		Deflection @ 25,000 PSI (1758 Kg/cm ²)		Uniform Load @ 1/240		Uniform Load @ 1/360	
			Lbs	kg	Lbs	kg	Lbs	kg	Lbs	kg
In	mm									
12	305	AS 210	5,548	2,517	2,631	1,193	0.014	0.356	**	**
		AS 210 BTB	11,600	5,262	1,750 ***	794	0.008	0.203	**	**
18	457	AS 210	5,066	2,298	1,754	796	0.032	0.813	**	**
		AS 210 BTB	11,210	5,085	1,750 ***	794	0.018	0.457	**	**
24	610	AS 210	4,473	2,029	1,316	597	0.056	1.422	**	**
		AS 210 BTB	10,738	4,871	1,750 ***	794	0.032	0.813	**	**
30	762	AS 210	3,817	1,731	1,052	477	0.088	2.235	**	**
		AS 210 BTB	10,230	4,640	1,750 ***	794	0.050	1.270	**	**
36	914	AS 210	3,141	1,425	877	398	0.126	3.200	**	**
		AS 210 BTB	9,722	4,410	1,750 ***	794	0.072	1.829	**	**
42	1,067	AS 210	2,546	1,155	752	341	0.172	4.369	**	**
		AS 210 BTB	9,239	4,191	1,750 ***	794	0.098	2.489	**	**
48	1,219	AS 210	2,148	974	658	298	0.224	5.690	587	266
		AS 210 BTB	8,796	3,990	1,750 ***	794	0.128	3.251	**	**
60	1,524	AS 210	1,659	753	526	239	0.350	8.890	376	171
		AS 210 BTB	8,046	3,650	1,482	672	0.200	5.080	**	**
72	1,829	AS 210	1,370	621	439	199	0.504	12.802	261	118
		AS 210 BTB	7,466	3,387	1,235	560	0.288	7.315	**	**
84	2,134	AS 210	1,174	533	376	171	0.687	17.450	192	87
		AS 210 BTB	6,528	2,961	1,058	480	0.392	9.957	944	428
96	2,438	AS 210	1,028	466	329	149	0.897	22.784	147	67
		AS 210 BTB	5,042	2,287	926	420	0.512	13.005	723	328
108	2,743	AS 210	911	413	292	132	1.135	28.829	116	53
		AS 210 BTB	3,983	1,807	823	373	0.649	16.485	571	259
120	3,048	AS 210	*	*	263	119	1.401	35.585	94	43
		AS 210 BTB	3,227	1,464	741	336	0.801	20.345	463	210
180	4,572	AS 210	*	*	175	79	3.153	80.086	42	19
		AS 210 BTB	1,434	650	494	224	1.802	45.771	206	93
240	6,096	AS 210	*	*	132	60	5.605	142.367	23	10
		AS 210 BTB	*	*	370	168	3.203	81.356	116	53

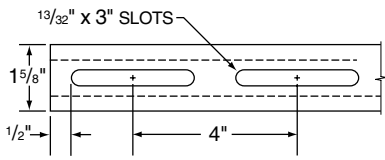
For Beam and Column Loading Data and load reduction information for channel with holes and concentrated loads, see notes on page 17.

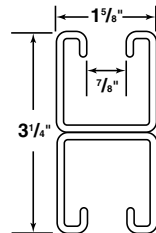
☐ AS 210	☐ PL, ☐ GR, ☐ PG, ☐ Other _____
SOLID	
  Wt/100 Ft: 141 lbs.	

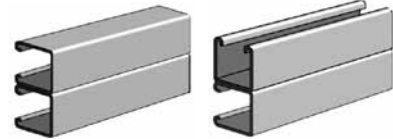
☐ AS 210EH	☐ PL, ☐ GR, ☐ PG, ☐ Other _____
WITH ELONGATED HOLES	
  Wt/100 Ft: 137 lbs.	

☐ AS 210KO	☐ PL, ☐ GR, ☐ PG, ☐ Other _____
WITH KNOCK OUT	
  Wt/100 Ft: 141 lbs.	

☐ AS 210H	☐ PL, ☐ GR, ☐ PG, ☐ Other _____
WITH HOLES	
  ³ / ₄ " dia. holes available AS 210H MOD Wt/100 Ft: 137 lbs.	

☐ AS 210S	
☐ PL, ☐ GR, ☐ PG, ☐ Other _____	
WITH LONG SLOTS	
 Wt/100 Ft: 137 lbs.	

☐ AS 210BTB	☐ Solid ☐ EH ☐ H ☐ Other _____
☐ PL, ☐ GR, ☐ PG, ☐ Other _____	
BTB WELDED	
 Wt/100 Ft: 282 lbs.	

☐ AS 210 Welded	☐ Solid ☐ EH ☐ H ☐ Other _____
☐ PL, ☐ GR, ☐ PG, ☐ Other _____	
OTHER WELDED	
 ☐ BTS: Back-to-Side ☐ STS: Side-to-Side ☐ STSR: Side-to-Opposite Side ☐ BTB4: (2) Back-to-Back (Four pieces) ☐ BTSB3: Back-to-Side-to-Back (Three pieces) ☐ STS3: Side-to-Side-to-Side (Three pieces)	

LEGEND:

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PROJECT INFORMATION		APPROVAL STAMP
Project:		☐ Approved
Address:		☐ Approved as noted
Contractor:		☐ Not approved
Engineer:		Remarks:
Submittal Date:		
Notes 1:		
Notes 2:		