

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

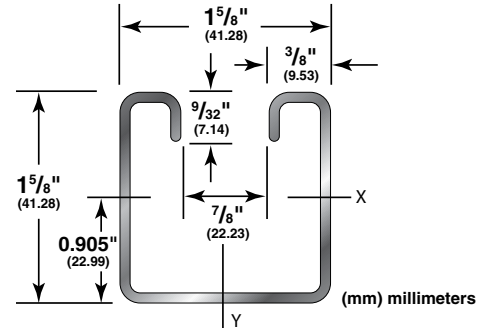
AS 210

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	In	mm	Lbs	kg	Lbs	kg
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	**	**	1,001	454
		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	**	**	695	315
		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	**	**	511	232
		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	391	177
		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	250	113
		AS 210 BTB	8,046	3,650	1,482	672	0.200	5.080	**	**	1,234	560
72	1,829	AS 210	1,370	621	439	199	0.504	12.802	261	118	174	79
		AS 210 BTB	7,466	3,387	1,235	560	0.288	7.315	**	**	857	389
84	2,134	AS 210	1,174	533	376	171	0.687	17.450	192	87	128	58
		AS 210 BTB	6,528	2,961	1,058	480	0.392	9.957	944	428	629	285
96	2,438	AS 210	1,028	466	329	149	0.897	22.784	147	67	98	44
		AS 210 BTB	5,042	2,287	926	420	0.512	13.005	723	328	482	219
108	2,743	AS 210	911	413	292	132	1.135	28.829	116	53	77	35
		AS 210 BTB	3,983	1,807	823	373	0.649	16.485	571	259	381	173
120	3,048	AS 210	*	*	263	119	1.401	35.585	94	43	63	29
		AS 210 BTB	3,227	1,464	741	336	0.801	20.345	463	210	308	140
180	4,572	AS 210	*	*	175	79	3.153	80.086	42	19	28	13
		AS 210 BTB	1,434	650	494	224	1.802	45.771	206	93	137	62
240	6,096	AS 210	*	*	132	60	5.605	142.367	23	10	16	7
		AS 210 BTB	*	*	370	168	3.203	81.356	116	53	77	35

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 _____

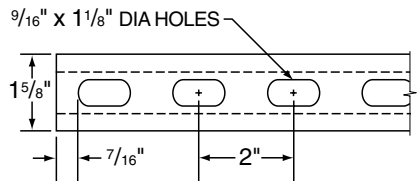
SOLID 



Wt/100 Ft: 141 lbs.


AS 210EH PL, GR, PG, Other _____

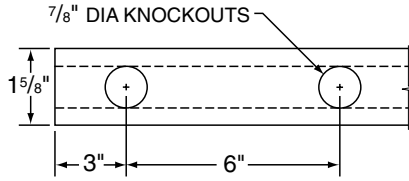
WITH ELONGATED HOLES 



Wt/100 Ft: 137 lbs.


AS 210KO PL, GR, PG, Other _____

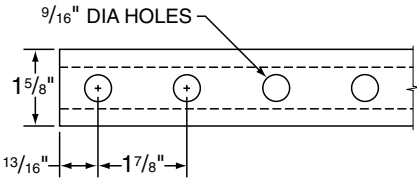
WITH KNOCK OUT 




Wt/100 Ft: 141 lbs.

AS 210H PL, GR, PG, Other _____

WITH HOLES 

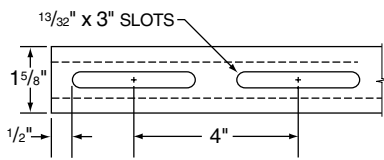


³/₄" dia. holes available AS 210H MOD
Wt/100 Ft: 137 lbs.

AS 210S 

PL, GR, PG, Other _____

WITH LONG SLOTS

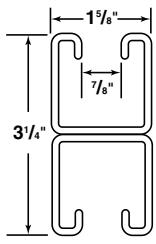


Wt/100 Ft: 137 lbs.

AS 210BTB Solid EH
 H Other

PL, GR, PG, Other _____

BTB WELDED

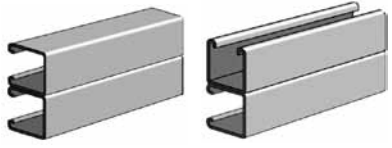


Wt/100 Ft: 282 lbs.

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)
 STB3: Side-to-Side-to-Side (Three pieces)

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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:		