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 TECHNICAL DATA SHEET

# Channel, Riveted back-to-back

## 1202 series

### Superstrut®



Superstrut® combination channel is riveted back-to-back for extra mounting flexibility without damaging the channel finish.

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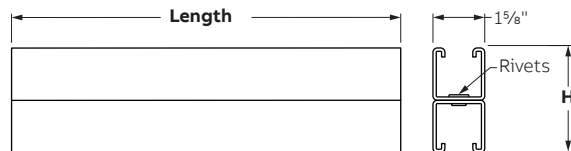
**Features:**

- Standard lengths are 10 and 20 feet.
- Channels are riveted together with  $\frac{5}{16}$ " solid rivets every 4 inches.

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**Material / Available Finishes:**

- 12-gauge grade CS low carbon steel
- GoldGalv® trivalent yellow zinc chromium finish is standard
- SilverGalv® trivalent clear zinc chromium finish
- Pre-galvanized grade G90
- Hot-dip galvanized
- Painted green or white




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**Product selection**

Part no:	Style	H (in)	Length (ft)
A1202 10	Solid	3 $\frac{3}{4}$	10
A1202 20	Solid	3 $\frac{3}{4}$	20
A1202HS 10	Half-slot	3 $\frac{3}{4}$	10
A1202HS 20	Half-slot	3 $\frac{3}{4}$	20
B1202 10	Solid	1 $\frac{5}{8}$	10
B1202 20	Solid	1 $\frac{5}{8}$	20
B1202HS 10	Half-slot	1 $\frac{5}{8}$	10
B1202HS 20	Half-slot	1 $\frac{5}{8}$	20

Note: Product must be installed in accordance with applicable national and local electrical codes.

All catalog numbers listed above are GoldGalv finish. To order a different finish, add one of the following suffixes to the end of the catalog number: EG = SilverGalv, HDG = hot-dip galvanized, PG = pre galvanized, GR = green painted, WH = white painted.

For example, catalog number A1202HS 10PG is riveted back-to-back double 1 $\frac{5}{8}$ " x 1 $\frac{5}{8}$ " x 10' half-slot channel in pre galvanized steel.

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Maximum load ratings:

<b>Ratings</b>				
<b>Part no:</b>	<b>A1202</b>		<b>B1202</b>	
<b>Depth (in)</b>	<b>3.25</b>		<b>1.63</b>	
<b>Span (in)</b>	<b>Load (lbs)</b>	<b>Deflection (in)</b>	<b>Load (lbs)</b>	<b>Deflection (in)</b>
12	—	—	2955	0.016
18	—	—	2011	0.036
24	4858	0.031	1509	0.064
30	3886	0.049	1206	0.100
36	3239	0.071	1005	0.144
42	2776	0.098	863	0.195
48	2429	0.128	754	0.255
54	2159	0.161	670	0.323
60	1944	0.199	604	0.398
66	1766	0.240	549	0.481
72	1620	0.286	503	0.574
84	1388	0.390	431	0.780
96	1215	0.509	378	1.019
108	1080	0.644	335	1.290
120	971	0.795	301	1.588
144	810	1.145	—	—
168	694	1.563	—	—
192	—	—	—	—
216	—	—	—	—
240	—	—	—	—

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Load ratings for 1/180 span:

<b>Ratings</b>			
<b>Part no:</b>	<b>A1202</b>		<b>B1202</b>
<b>Depth (in)</b>	<b>3.25</b>		<b>1.63</b>
<b>Span (in)</b>	<b>1/180 deflection (in)</b>	<b>Load (lbs)</b>	<b>Load (lbs)</b>
66	0.367	—	418
72	0.400	—	351
84	0.467	—	258
96	0.533	—	197
108	0.600	—	156
120	0.667	—	126
144	0.800	566	88
168	0.933	415	64
192	1.07	318	—
216	1.20	252	—
240	1.33	204	—

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Load ratings for 1/360 span:

<b>Ratings</b>				
<b>Part no:</b>		<b>A1202</b>	<b>B1202</b>	
<b>Depth (in)</b>		<b>3.25</b>	<b>1.63</b>	
<b>Span (in)</b>	<b>1/360 deflection (in)</b>	<b>Load (lbs)</b>		<b>Load (lbs)</b>
36	0.100	—	702	
42	0.117	—	516	
48	0.133	—	395	
54	0.150	—	312	
60	0.167	—	253	
66	0.183	1347	209	
72	0.200	1132	176	
84	0.233	832	129	
96	0.267	637	99	
108	0.300	503	78	
120	0.333	408	63	
144	0.400	283	44	
168	0.467	208	32	
192	0.533	159	—	
216	0.600	126	—	
240	0.667	102	—	

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Column load rating:

<b>Ratings</b>			
<b>Part no:</b>		<b>A1202</b>	<b>B1202</b>
<b>Depth (in)</b>		<b>3.25</b>	<b>1.63</b>
<b>Span (in)</b>	<b>Load (lbs)</b>		<b>Load (lbs)</b>
12	—		14110
18	—		13440
24	19974		12670
30	19261		11803
36	18470		10840
42	17635		9790
48	16730		8640
54	15763		7405
60	14738		6100
66	13646		5055
72	12500		4230
84	9992		3100
96	7675		—
108	6071		—
120	—		—

**Properties for design:**

- Combination channel

**Properties**

Part no:	Dimensions			x-x axis				y-y axis		
	H (in)	W (in)	A (in <sup>2</sup> )	I (in <sup>4</sup> )	S (in <sup>3</sup> )	r (in)	Z (in)	I (in <sup>4</sup> )	S (in <sup>3</sup> )	r (in)
A1202	3.250	1.625	1.114	0.948	0.583	0.992	1.625	0.474	0.584	0.652
B1202	1.625	1.625	0.762	0.147	0.181	0.439	0.813	0.274	0.337	0.600

I = Moment of Inertia  
 S = Section Modulus  
 r = Radius of Gyration  
 Z = Neutral Axis Position  
 A = Area

