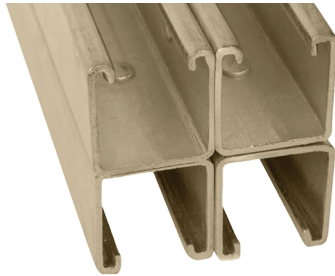

 TECHNICAL DATA SHEET

Channel, riveted quad combination

A1204R Series

Superstrut®



Superstrut® Quad Combination Channel utilizes a riveting process that is more reliable than spot welding and won't damage channel finish.

Features:

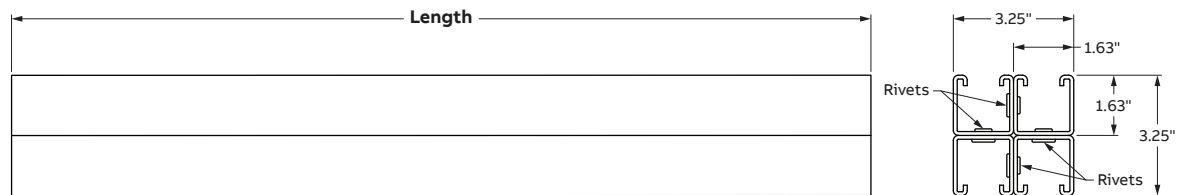
- Available in two lengths (10 and 20 feet).
- Quad Struts are: 3.250" x 3.250" (82.6 mm x 82.6 mm) with individual channels of 1.625" x 1.625" (41.3 mm x 41.3 mm).
- Channels are riveted together on the bottom and along the sidewall with 5/16" diameter solid rivets every 4".

Material / Finish:

- Hot rolled low carbon steel, grade CS ASTM A1011.
- GoldGalv® trivalent yellow zinc chromium finish or pre-galvanize.

Table data (page 2):

- [Load rating](#)
- [Properties for design](#)



Product selection

Part no:	Material	Finish	Length	
			Feet	Meters
A1204R 10	Hot rolled low carbon steel	GoldGalv®	10	3.05
A1204R 10PG	Hot rolled low carbon steel	Pre-galvanize	10	3.05
A1204R 20	Hot rolled low carbon steel	GoldGalv®	20	6.1
A1204R 20PG	Hot rolled low carbon steel	Pre-galvanize	20	6.1

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

Load ratings:

- When no numbers are shown, use the maximum uniform load.

Ratings								
Maximum Uniform			1/180 span		1/360 span		Column load (lbs.)	
Span	Load (lbs.)	Deflection (in.)	Load (lbs.)	Deflection (in.)	Load (lbs.)	Deflection (in.)		
30	7466	0.048	—	0.167	—	0.083		38507
36	6222	0.069	—	0.200	—	0.100		37607
42	5334	0.094	—	0.233	—	0.117		36652
48	4666	0.123	—	0.267	—	0.133		35643
54	4148	0.156	—	0.300	3988	0.150		34580
60	3734	0.192	—	0.333	3241	0.167		33463
66	3394	0.233	—	0.367	2671	0.183		32291
72	3112	0.277	—	0.400	2247	0.200		31065
84	2666	0.377	—	0.467	1650	0.233		28450
96	2334	0.492	—	0.533	1265	0.267		25618
108	2074	0.623	1997	0.600	999	0.300		22568
120	1866	0.769	1618	0.667	809	0.333		19302
144	1556	1.108	1123	0.800	562	0.400		—
168	1334	1.508	826	0.933	413	0.467		—
192	1166	1.969	632	1.067	316	0.533		—
216	1038	2.492	500	1.200	250	0.600		—
240	934	3.077	405	1.333	202	0.667		—

Properties for design:

- Rivet quad strut

Properties											
Dimensions				x-x axis				y-y axis			
H (in.)	W (in.)	A (in ²)	I (in ⁴)	S (in ³)	r (in.)	Z (in.)	I (in ⁴)	S (in ³)	r (in.)	Z (in.)	
3.25	3.25	2.11	1.820	1.118	0.938	1.630	2.304	1.415	1.044	1.630	

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

