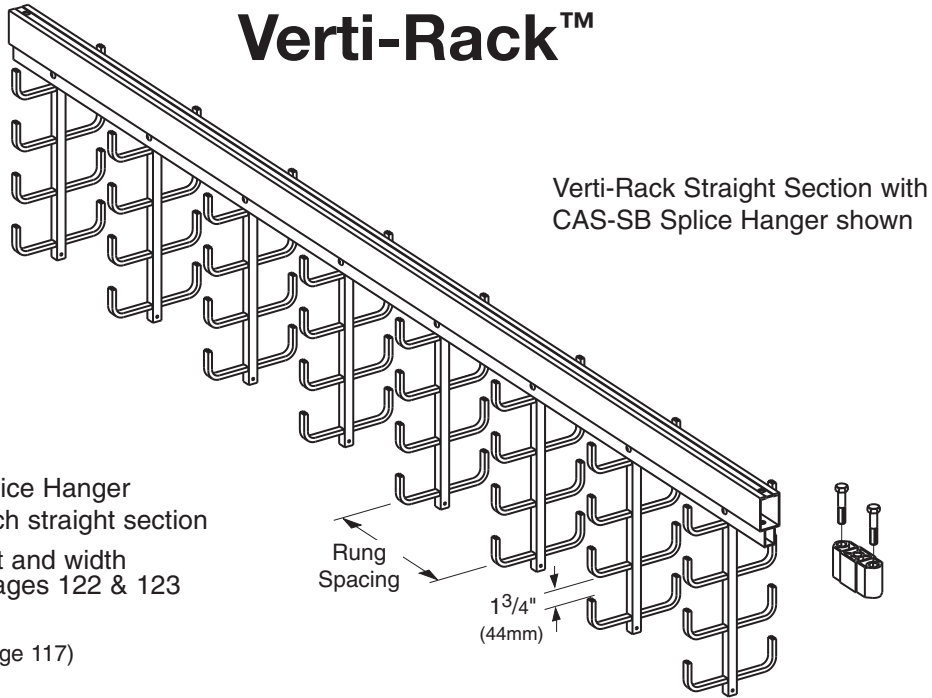


Cent-R-Rail™ - Straight Sections



Verti-Rack™



- One CAS-SB Splice Hanger provided with each straight section
- For overall height and width dimension see pages 122 & 123

Patented (see page 117)

Verti-Rack Straight Section Part Numbering

C2 A 4V 12 - 09 - 144

Series	Material	Type†	Rung Spacing	Width†	Length*
<ul style="list-style-type: none"> ● C0 = Straight Rung ● C2 = 2" Loading Depth 	<ul style="list-style-type: none"> ● A = Aluminum 	<ul style="list-style-type: none"> ● 2V = 2 tier ● 3V = 3 tier ● 4V = 4 tier ● 5V = 5 tier ● 6V = 6 tier 	<ul style="list-style-type: none"> ● 06 = 6" ● 09 = 9" ● 12 = 12" ● (Specials available) 	<ul style="list-style-type: none"> ● 03 = 3" ● 06 = 6" ● 09 = 9" ● 12 = 12" 	<ul style="list-style-type: none"> ● 144 = 144" ● 120 = 120"

* Actual tray lengths are 142" and 118" to allow for splice hangers

† For inverted, multiple or special sizes and widths see appendix pages 173, 174, 175

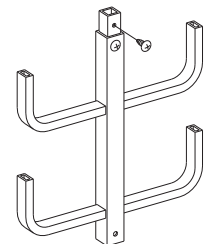
Expand your Verti-Rack system with ADD-A-Rung™

- Attaches to bottom of existing tray
- Shipped with required hardware

ADD-A-Rung Part Numbering

CAR-2 V 2 12

No. of Tiers	Loading Depth	Width
<ul style="list-style-type: none"> ● 1 = 1 tier ● 2 = 2 tier 	<ul style="list-style-type: none"> ● 0 = Straight Rung ● 2 = 2" Loading Depth 	<ul style="list-style-type: none"> ● 03 = 3" ● 06 = 6" ● 09 = 9" ● 12 = 12"



Note: Not to exceed 100 lbs/ft on 12 ft span, 225 lbs/ft on 8 ft span.

● Green = Fastest shipped items ● Black = Normal lead-time items ● Red = Normally long lead-time items

Verti-Rack™



Support Span		Total System Load Capacities		Center Rail* Deflection Multiplier
ft	(m)	lbs/ft	(kg/m)	
5	(1.5)	300	(450)	0.0010
6	(1.8)	300	(450)	0.0020
8	(2.4)	225	(335)	0.0063
10	(3.0)	144	(214)	0.0155
12	(3.7)	100	(149)	0.0321

Tray Width		Rung Spacing		Per Tier Load Capacity		Rung* Deflection Multiplier	Avg. Empty Tray Weight	
in.	(mm)	in.	(mm)	lbs/ft	(kg/m)		lbs/ft	(kg/m)
3	(75)	6	(150)	608	(905)	0.00001	2.09	(3.11)
		9	(225)	408	(607)	0.00002	1.72	(2.56)
		12	(300)	304	(452)	0.00002	1.55	(2.31)
6	(150)	6	(150)	304	(452)	0.00010	2.31	(3.44)
		9	(225)	204	(304)	0.00020	1.86	(2.77)
		12	(300)	152	(226)	0.00020	1.66	(2.47)
9	(225)	6	(150)	203	(302)	0.00030	2.53	(3.76)
		9	(225)	136	(202)	0.00040	2.00	(2.98)
		12	(300)	102	(152)	0.00050	1.77	(2.63)
12	(300)	6	(150)	152	(226)	0.00060	2.75	(4.09)
		9	(225)	102	(152)	0.00090	2.14	(3.18)
		12	(300)	76	(113)	0.00120	1.88	(2.80)

Safety Factor = 1.5 for load capacities

* Deflection multipliers are given for English units. To determine deflection in millimeters, first calculate deflection in inches and then multiply by 25.4.

Example: The center rail deflection for 50 lbs/ft supported every 12 ft = $50 \times .0321 = 1.6$ inches.

Example: The rung deflection for 50 lbs/ft in a 12" wide tray with 9" rung spacing = $50 \times .0009 = .05$ inches.

Section Property		Center Rail	Rungs	Trunk
Area	in ²	0.88	0.09	0.18
	(cm ²)	(5.68)	(0.61)	(1.16)
Sx	in ³	0.56	0.01	N/A
	(cm ³)	(9.15)	(0.12)	(N/A)
Ix	in ⁴	1.27	0.001	N/A
	(cm ⁴)	(52.99)	(0.04)	(N/A)

