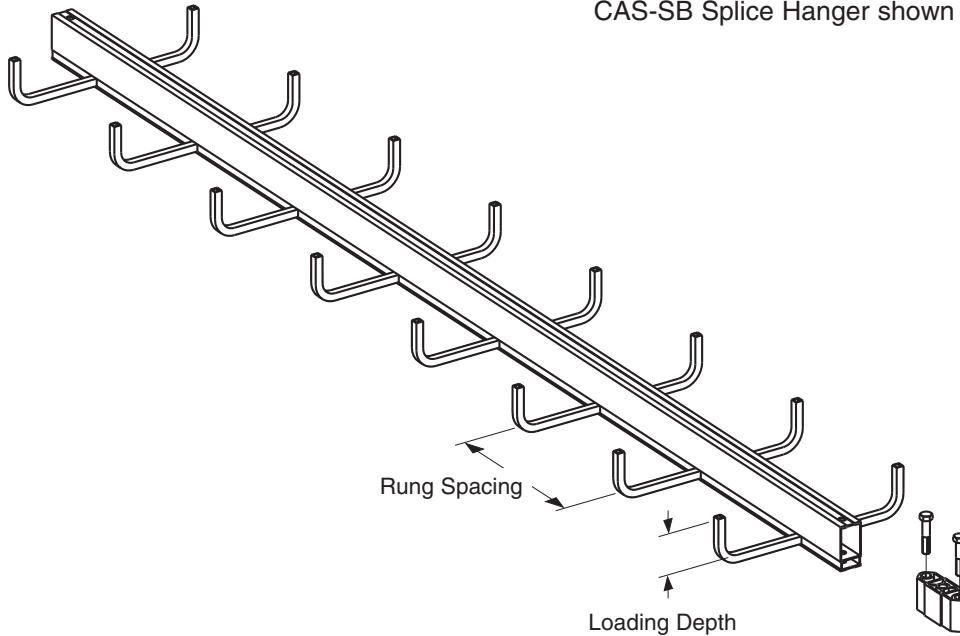




Data-Track™

Data-Track Straight Section with CAS-SB Splice Hanger shown



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

Patented (see page 117)

Data-Track Straight Section Part Numbering

C3 A DB 09 - 12 - 144

Series	Material	Type	Rung Spacing	Width	Length*
● C0 = Straight Rung	● A = Aluminum	● DB = Bottom Rung	● 06 = 6"	● 06 = 6"	● 144 = 144"
● C3 = 3" Loading Depth		● DT = Top Rung	● 09 = 9"	● 09 = 9"	● 120 = 120"
● C4 = 4" Loading Depth			● 12 = 12"	● 12 = 12"	
● C6 = 6" Loading Depth				● 18 = 18"	
				● 24 = 24"	

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

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

Data-Track™



Data-Track Load Capacities

Tray Width		Rung Spacing		Support Span ft. (m)								Rung * Deflection Multiplier	Avg. Empty Tray Weight			
				5 (1.5)		6 (1.8)		8 (2.4)		10 (3.0)					12 (3.7)	
				lbs/ft	(kg/m)	lbs/ft	(kg/m)	lbs/ft	(kg/m)	lbs/ft	(kg/m)				lbs/ft	(kg/m)
6	(150)	6	(150)	646	(961)	448	(667)	252	(375)	161	(240)	112	(167)	0.00002	1.38	(2.05)
		9	(225)	532	(793)	448	(667)	252	(375)	161	(240)	112	(167)	0.00003	1.25	(1.86)
		12	(300)	400	(595)	400	(595)	252	(375)	161	(240)	112	(167)	0.00004	1.20	(1.79)
9	(225)	6	(150)	532	(793)	448	(667)	252	(375)	161	(240)	112	(167)	0.00005	1.45	(2.16)
		9	(225)	354	(527)	354	(527)	252	(375)	161	(240)	112	(167)	0.00008	1.30	(1.93)
		12	(300)	266	(396)	266	(396)	252	(375)	161	(240)	112	(167)	0.00010	1.24	(1.85)
12	(300)	6	(150)	400	(595)	400	(595)	252	(375)	161	(240)	112	(167)	0.00020	1.53	(2.28)
		9	(225)	266	(396)	266	(396)	252	(375)	161	(240)	112	(167)	0.00020	1.35	(2.01)
		12	(300)	200	(298)	200	(298)	200	(298)	161	(240)	112	(167)	0.00030	1.28	(1.90)
18	(450)	6	(150)	266	(396)	266	(396)	252	(375)	161	(240)	112	(167)	0.00050	1.69	(2.51)
		9	(225)	178	(265)	178	(265)	178	(265)	161	(240)	112	(167)	0.00070	1.46	(2.17)
		12	(300)	134	(199)	134	(199)	134	(199)	134	(199)	112	(167)	0.00090	1.35	(2.01)
24	(600)	6	(150)	200	(298)	200	(298)	200	(298)	161	(240)	112	(167)	0.00110	1.85	(2.75)
		9	(225)	134	(199)	134	(199)	134	(199)	134	(199)	112	(167)	0.00170	1.56	(2.32)
		12	(300)	100	(149)	100	(149)	100	(149)	100	(149)	100	(149)	0.00220	1.43	(2.13)

Safety Factor = 1.5 for load capacities

For unbalanced load information see appendix page 171

For Seismic Restraint Systems see appendix page 172

	Support Span (feet)				
	5	6	8	10	12
Center Rail Deflection Multiplier*	0.0012	0.0025	0.0079	0.0192	0.0397

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

To calculate the center rail simple beam deflection at mid span in inches for a specific support span (ft), multiply the "center rail deflection multiplier" for that span by the load in lbs/ft that will be installed in the cable tray.

Example: The center rail deflection for 50 lbs/ft supported every 12 ft = 50 x .0397 = 2.0 inches.

Note: When trays are used in continuous spans, the deflection is reduced by as much as 50%.

To calculate the rung deflection in inches for a specific tray width (in.) and rung spacing (in.), multiply the rung deflection multiplier for that width and rung spacing by the load in lbs/ft that will be installed in the cable tray.

Example: The rung deflection for 50 lbs/ft in a 12" wide tray with 9" rung spacing = 50 x .0002 = .01 inches.

Note: The rung deflection multiplier is based on a uniformly distributed load.

Section Property		Center Rail	Rungs
Area	in ²	0.88	0.13
	(cm ²)	(5.68)	(0.84)
Sx	in ³	0.70	0.02
	(cm ³)	(11.49)	(0.31)
Ix	in ⁴	1.17	0.005
	(cm ⁴)	(48.87)	(0.21)

