

Series 3 & 4 Stainless Steel - Straight Sections

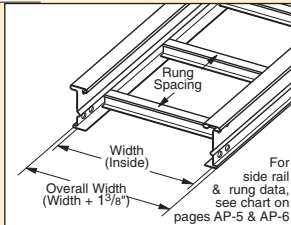
5" NEMA VE 1 Loading Depth 6" Side Rail Height

Straight Section Part Numbering

Prefix

Example: **368 SS6 09 - 24 - 240**

Series	Material	*Type	*Width	Length
● 368	● SS4 = 304 Stainless Steel	Ladder- ● 06 = 6" rung spacing	● 06 = 6" ● 09 = 9" ● 12 = 12" ● 18 = 18" ● 24 = 24" ● 30 = 30" ● 36 = 36"	● ① 240 = 20 ft. 368 ● ② 144 = 12 ft.
464	● SS6 = 316 Stainless Steel	● 09 = 9" rung spacing ● 12 = 12" rung spacing		● ① 240 = 20 ft. 464 ● ② 288 = 24 ft.



Trough- 6" and Wider

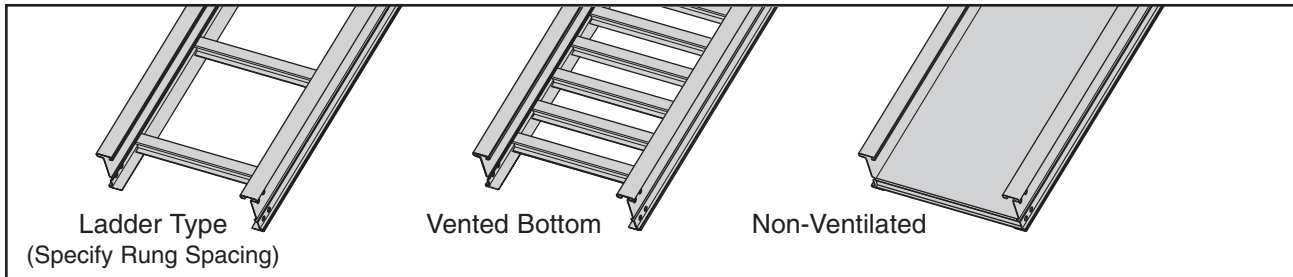
- **04** = Vented Bottom
- **SB** = Non-Ventilated

- ① Primary Length.
- ② Secondary Length.

See page 39 for explanation of lengths.

Passivation available see page 18.

See page 362 for additional rung options. *Special sizes available.



Values are based on simple beam tests per NEMA VE 1 on 36" wide cable tray rungs spaced on 12" centers. Cable trays will support without collapse a 200 lb. (90.7 kg) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable being installed.

B-Line Series	Side Rail Dimensions	NEMA, CSA Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
368 SS†		NEMA: 20A, 16B CSA: D1-3m UL Cross-Sectional Area: 0.70 in ²	10	236	0.0016	Area=0.92 in ² Sx=1.41 in ³ Ix=4.77 in ⁴	3.0	351	0.028	Area=5.94 cm ² Sx=23.11 cm ³ Ix=198.54 cm ⁴
			12	164	0.0034		3.7	244	0.058	
			14	120	0.0062		4.3	179	0.107	
			16	92	0.011		4.9	137	0.182	
			18	73	0.017		5.5	108	0.291	
			20	59	0.026		6.1	88	0.444	

B-Line Series	Side Rail Dimensions	NEMA, CSA Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
464 SS†		NEMA: 20C+ CSA: E-6m UL Cross-Sectional Area: 1.00 in ²	12	342	0.002	Area=1.49 in ² Sx=2.28 in ³ Ix=7.65 in ⁴	3.7	508	0.036	Area=9.61 cm ² Sx=37.36 cm ³ Ix=318.42 cm ⁴
			16	192	0.007		4.9	286	0.113	
			18	152	0.011		5.5	226	0.182	
			20	123	0.016		6.1	183	0.277	
			22	102	0.024		6.7	151	0.406	
			24	85	0.034		7.3	127	0.574	

When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors:

Ix = Moment of Inertia, Sx = Section Modulus. † Insert 4 for 304 stainless steel or 6 for 316 stainless steel.

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