

Cable Tray / Ladder Tray

HB4AXX-XX-XXX

NEMA Load Class: 20A
CSA Load Class: D-6M
UL Cross Sectional Area: 1in²

PowerTray™
 Manufactured by MonoSystems, Inc.

4" HIGH SIDE RAIL 3" NEMA VE 1 LOAD DEPTH ALUMINUM POWER TRAY

NOTES:

- 1.) One pair of splice connectors and included hardware are provided with each straight tray and fitting (M.S.I P/N: A4-2001). Tray material: 6063-T6 alloy.
- 2.) Views for reference, do not scale.

GENERAL INFORMATION:

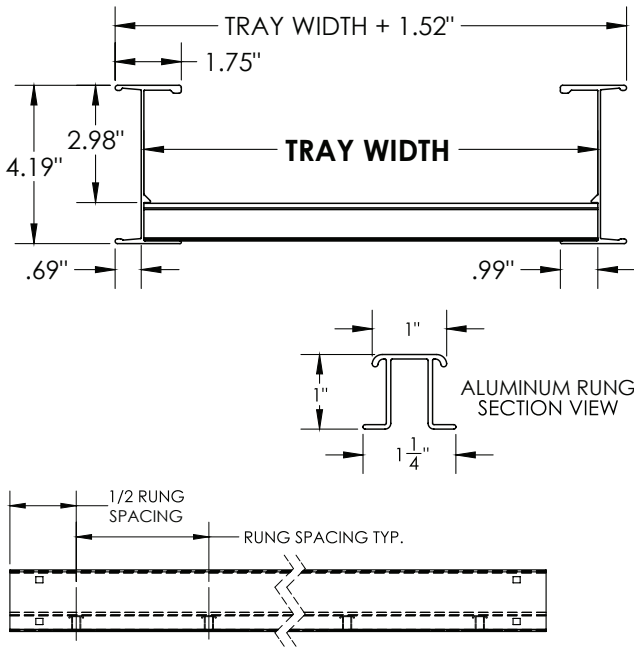
TRAY DESIGN: Construction and markings are per the latest edition of NEMA Standards Pub. VE1, CSA C22.2 No. 126.

TRAY GROUNDING CAPABILITY: Classified as an equipment grounding conductor per N.E.C. 392.7 with a maximum 1600 ampere rating. UL Cross Sectional area: 1in²

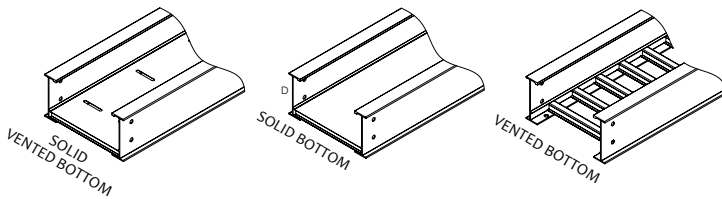
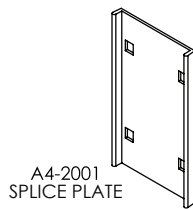
CONNECTORS: Supplied in pairs with hardware. Splice resistance is less than 0.00033 ohms. Standard hardware: 3/8 in. cadmium-plated with clear zinc topcoat. Stainless steel hardware is available upon request.

MonoSystems trays marked with CSA load class have been tested (loading, finish and electrical) by UL to CSA standard 126 22.2

Material: Aluminum 6063-T6 Alloy



Classified by UL as equipment grounding conductors per NEC 392.7.



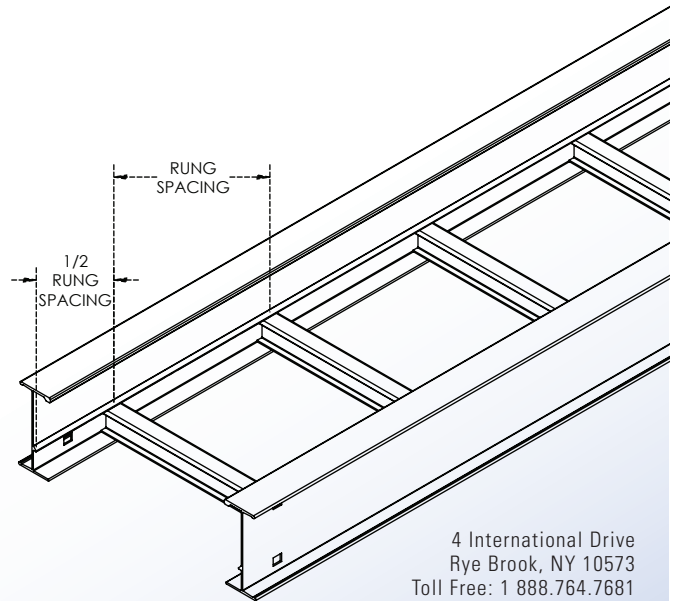
ORDERING DATA EXAMPLE:

HB4 A XX-XX-XXX

RAIL SERIES	MATERIAL	RUNG SPACING	TRAY WIDTH	TRAY LENGTH
HB4	A = ALUMINUM 6063 ALLOY	06 = 6" 09 = 9" 12 = 12"	06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36"	120 = 10' 144 = 12' 168 = 14' 192 = 16' 216 = 18' 240 = 20'
		04 = VENTED BOTTOM SB = SOLID BOTTOM SBV = SOLID VENTED BOTTOM		

LOAD CHART*

POWER-TRAY RAIL DATA	RAIL TYPE: HB4					
SPAN (ft)	10	12	14	16	18	20
MAX LOAD (lbs/ft)	225	156	115	88	70	56
DEFLECTION MULTIPLIER	0.006	0.012	0.023	0.040	0.064	0.098



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* Values are based on simple beam tests per NEMA VE 1 on 36" wide cable tray with 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 the 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 tray being installed.

Individual rungs will support without collapse a 200 lb. (90.7 kg) concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads.