

Redi-Rail™ - Straight Sections

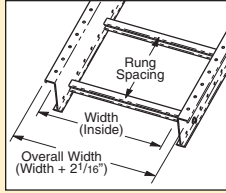
H14A and H15A Straight Sections

Straight Section Part Numbering

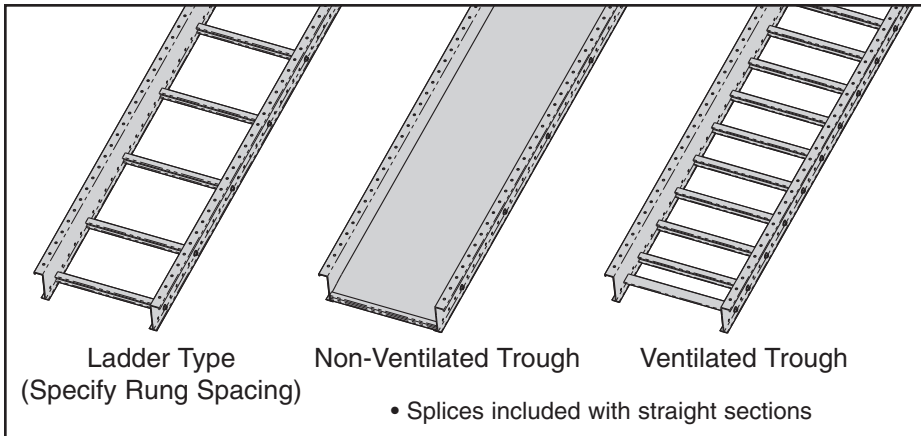
Prefix

Example: **H1 4 A R 075KO 09 - 12 - 120**

Series	Height	Material	Construction	Knockout Type	Bottom Type	Width	Length
● H1	● 4 = 4" ● 5 = 5"	Aluminum	Redi-Rail	● Blank = None ● 050KO = 1/2" KO ● 075KO = 3/4" KO ● 100KO = 1" KO	Ladder- ● 06 = 6" rung spacing ● 09 = 9" rung spacing ● 12 = 12" rung spacing Trough- ● 04 = Vented Bottom ● SB = Non-Ventilated Bottom	● 06 = 6" ● 09 = 9" ● 12 = 12" ● 18 = 18" ● 24 = 24" ● 30 = 30" ● 36 = 36"	● ①144 = 12 ft. ● ②120 = 10 ft. ①Primary ②Secondary



Values are based on simple beam tests per VE-1 on 36" wide cable tray with rungs spaced on 12" centers. The 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 tray. These systems will support without collapse a 200 lb. concentrated load.



Redi-Rail with knockouts.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL 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
H14A		NEMA: 12B CSA: D1-3m UL Cross-Sectional Area: 0.60 in ²	6	224	0.0015	Area=0.98 in ² Sx=0.93 in ³ Ix=1.97 in ⁴	1.8	333	0.025	Area=6.32 cm ² Sx=15.24 cm ³ Ix=82.00 cm ⁴
			8	194	0.0047		2.4	288	0.080	
			10	124	0.0114		3.0	184	0.195	
			12	86	0.0237		3.7	128	0.404	

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL 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
H15A		NEMA: 12C CSA: D1-3m UL Cross-Sectional Area: 0.60 in ²	6	224	0.0008	Area=1.06 in ² Sx=1.29 in ³ Ix=3.44 in ⁴	1.8	333	0.025	Area=6.84 cm ² Sx=21.14 cm ³ Ix=143.18 cm ⁴
			8	224	0.0027		2.4	288	0.080	
			10	147	0.0065		3.0	219	0.195	
			12	102	0.0136		3.7	152	0.404	

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.

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

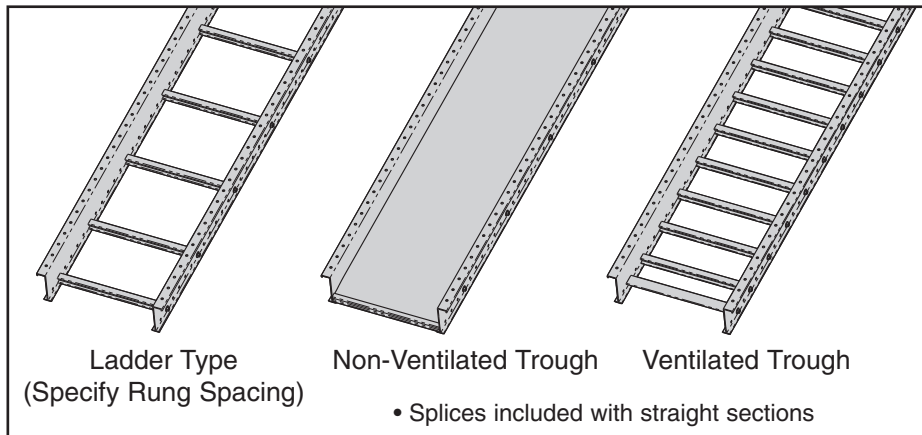
H16A and H17A Straight Sections

Straight Section Part Numbering

Prefix
Example: **H1 6 A R 150KO 09 - 12 - 120**

Series	Height	Material	Construction	Knockout Type	Bottom Type	Width	Length
● H1	● 6 = 6" ● 7 = 7"	Aluminum	Redi-Rail	● Blank = None ● 050KO = 1/2" KO ● 075KO = 3/4" KO ● 100KO = 1" KO ● 125KO = 1 1/4" KO ● 150KO = 1 1/2" KO	Ladder- ● 06 = 6" rung spacing ● 09 = 9" rung spacing ● 12 = 12" rung spacing Trough- ● 04 = Vented Bottom ● SB = Non-Ventilated Bottom	● 06 = 6" ● 09 = 9" ● 12 = 12" ● 18 = 18" ● 24 = 24" ● 30 = 30" ● 36 = 36"	● ①144 = 12 ft. ● ②120 = 10 ft. <small>①Primary ②Secondary</small>

Values are based on simple beam tests per VE-1 on 36" wide cable tray with rungs spaced on 12" centers. The 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 tray. These systems will support without collapse a 200 lb. concentrated load.



Redi-Rail with knockouts.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL 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
H16A		NEMA: 12C CSA: D1-3m UL Cross-Sectional Area: 1.00 in ²	6	224	0.0005	Area=1.26 in ² Sx=1.75 in ³ Ix=5.51 in ⁴	1.8	333	0.025	Area=8.13 cm ² Sx=28.68 cm ³ Ix=229.34 cm ⁴
			8	224	0.0017		2.4	333	0.080	
			10	164	0.0041		3.0	244	0.195	
			12	114	0.0085		3.7	170	0.404	

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL 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
H17A		NEMA: 12C CSA: D1-3m UL Cross-Sectional Area: 1.00 in ²	6	224	0.0004	Area=1.41 in ² Sx=2.24 in ³ Ix=8.18 in ⁴	1.8	333	0.025	Area=9.10 cm ² Sx=36.71 cm ³ Ix=340.89 cm ⁴
			8	224	0.0011		2.4	333	0.080	
			10	144	0.0027		3.0	214	0.195	
			12	100	0.0057		3.7	149	0.404	

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.

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