

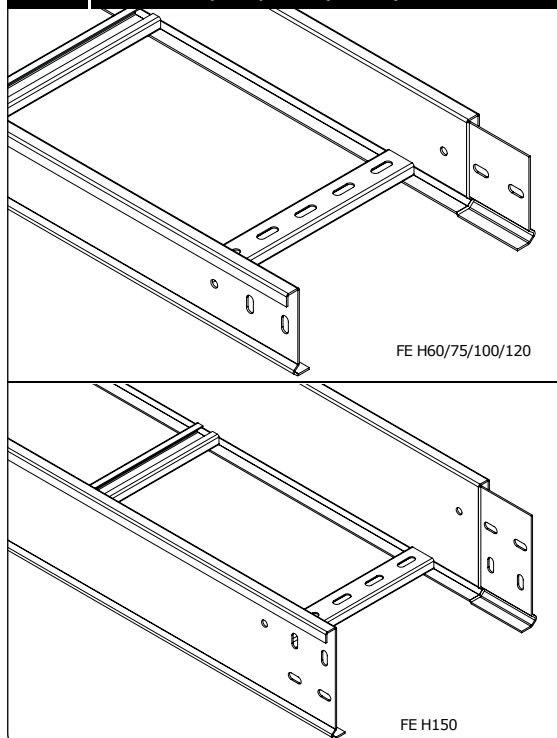


Certificado Nº SGI 3198065/11



Certificado Nº SGI 3198065/12

FE H60/75/100/120/150



Standard Models (BxH):

100x60; 150x60; 200x60; 300x60; 400x60; 500x60; 600x60; 100x75; 150x75; 200x75; 300x75; 400x75; 500x75; 600x75; 100x100; 150x100; 200x100; 300x100; 400x100; 500x100; 600x100; 150x120; 200x120; 300x120; 400x120; 500x120; 600x120; 150x150; 200x150; 300x150; 400x150; 500x150; 600x150.

Nota1: SideR.: H60 e=1,5; H75-150 e= 2. Rung: H60-100 RA35; H120-H150 CT40

Nota2: All the models with 9 or 12 rungs. (d=250 mm ó 333 mm), st. length 3m.

Special configurations:

- Side Rails:

- 75x1,5
- 100x1,5
- 120x1,5
- 150x1,5

- Rung Spacing:

- 150 mm (6")
- 225 mm (9")
- 300 mm (12")
- 450 mm (18")

- Length:

- 3,66 m (12ft)
- 6 m (20ft)

- Rungs:

- RA35 (35x14x1,5)
- CT40 (40x20x1,5)
- 41x21x2

CHARACTERISTICS

- Material:

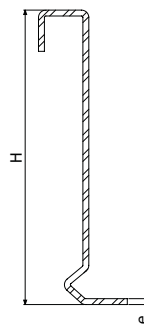
Carbon Steel with Hot Dip Galvanized after fabrication acc. to ISO 1461 (also available acc. to ASTM under request).

Coating Thickness:

- Medium (minimum value): 55 microns.
- Special under request: 70~90 microns.

- Ladder:

- Metallic
- Excellent corrosion resistance in humid and chemically aggressive environments.
- Welded union between Side Rail and rungs.
- Non-flame propagating component
- Product with electrical continuity



Height (H)	Thickness (e)	Min. Cross Sec. Area (1 Rail)	Min. Cross Sec. Area (2 Rail)	Max. Amp.
mm	mm	in ² (mm ²)	in ² (mm ²)	acc. to NEC 392.7
63	1,5	0,226 (146,0)	0,453 (292,1)	100
75	1,5	0,254 (164,0)	0,509 (328,1)	100
75	2	0,336 (216,9)	0,672 (433,7)	100
100	1,5	0,340 (219,5)	0,681 (439,1)	100
100	2	0,448 (288,9)	0,895 (577,7)	200
120	1,5	0,387 (249,9)	0,775 (499,9)	200
120	2	0,510 (328,9)	1,019 (657,7)	400
150	1,5	0,458 (295,5)	0,916 (591,1)	200
150	2	0,603 (388,9)	1,205 (777,7)	400

SAFE WORKING LOAD - NEMA Span/Load Class Designation

Standard Load Ratings acc. to NEMA VE1:

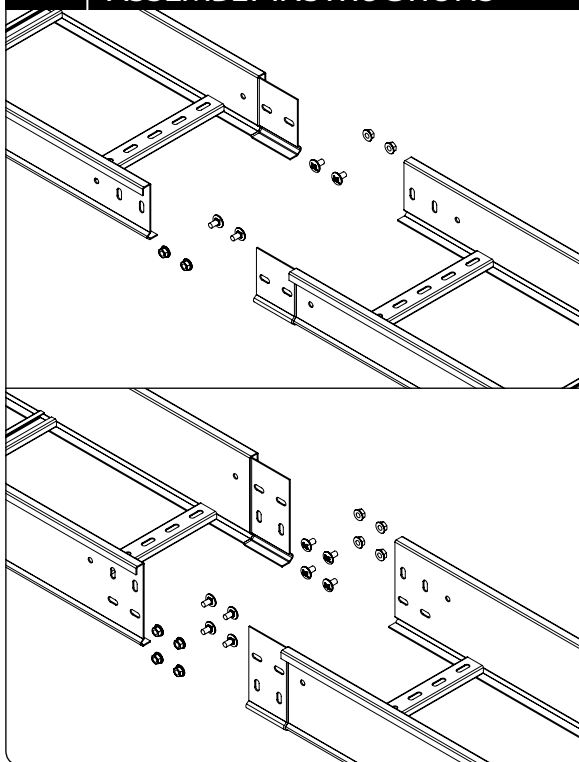
Load, kg/m (lb/ft)	Span, m (ft)			
	2.4 (8)	3.7 (12)	4.9 (16)	6.0 (20)
A - 74 (50)	8A	12A	16A	20A
B - 112 (75)	8B	12B	16B	20B
C - 149 (100)	8C	12C	16C	20C

FE Side Rail classes:

Side Rail (Hxe)	60x1,5	75x1,5	75x2	100x1,5	100x2	120x1,5	120x2	150x1,5	150x2
Class	8C-12A	8C-12A	8C-12B	12C-16A	12C-16A	12C-16A	12C-16B-20A	12C-16A	12C-16B-20A

NOTA: 1,5 Safety factor considered.

ASSEMBLY INSTRUCTIONS



- For the set-up of the self-assembly system, 4 B2 Bolt sets (8 for trays with H150) and no union joint plates are needed.
- According to NEC, considering the minimum cross sectional areas and the continuity of the union (self-assembly system), FE cable ladder can be used as grounding conductor. Bonding jumpers are only needed to guarantee the continuity where expansion splice plates are used and in every discontinuity of the line.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

Accessories:

This family has large array of accessories: Cover TFE/TFEL, cover clamps PTFE/PT2AFE/PTFE-E60/PVTFE-E60/PT2AFE-E60/PVT2AFE-E60, divider PS, horizontal bend CPF, vertical inside/outside bends CCFE/CXFE, T intersection TEFE, cross intersection CRFE, reductions REFE, cable ladder clamp BFE, union joint plates JUFE, articulated union joints JUFE-A, horizontal angle joints JUFE-B.

The standard radius of the accessories is 300 mm (12").

Available radius under request: 600 mm (24"), 900 mm (36").