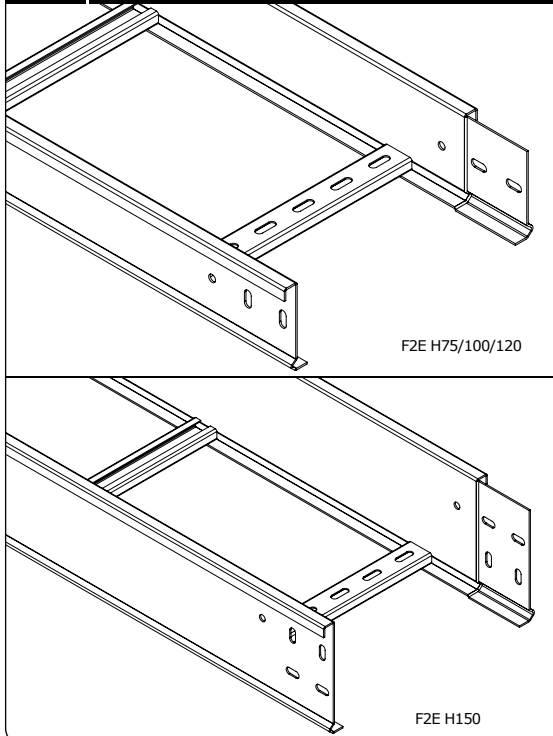


**F2E H75/100/120/150**Standard Models (BxH):

100x75; 150x75; 200x75; 300x75; 400x75; 500x75; 600x75; 750x75; 900x75;
 100x100; 150x100; 200x100; 300x100; 400x100; 500x100; 600x100; 750x100; 900x100;
 150x120; 200x120; 300x120; 400x120; 500x120; 600x120; 750x120; 900x120;
 150x150; 200x150; 300x150; 400x150; 500x150; 600x150; 750x150; 900x150.

Configurations:- Side Rails:

- 75x2
- 100x2
- 120x2
- 150x2

- Length:

- 3 m (10ft)
- 6 m (20ft)

- Rung:

- 41x21x2

- Rung Spacing:

- 230 mm (9")
- 250 mm (10")
- 300 mm (12")
- 333 mm (13")

CHARACTERISTICS- Material:

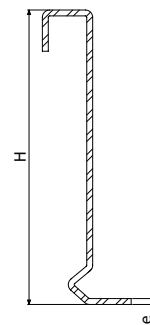
Carbon Steel with Hot Dip Galvanized after fabrication acc. to ISO 1461 (also available acc. to ASTM under request).

Coating Thickness:

- Minimum value: 45 microns.
- Medium 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 |
| 75 | 2 | 0,336 (216,9) | 0,672 (433,7) | 100 |
| 100 | 2 | 0,448 (288,9) | 0,895 (577,7) | 200 |
| 120 | 2 | 0,510 (328,9) | 1,019 (657,7) | 400 |
| 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:

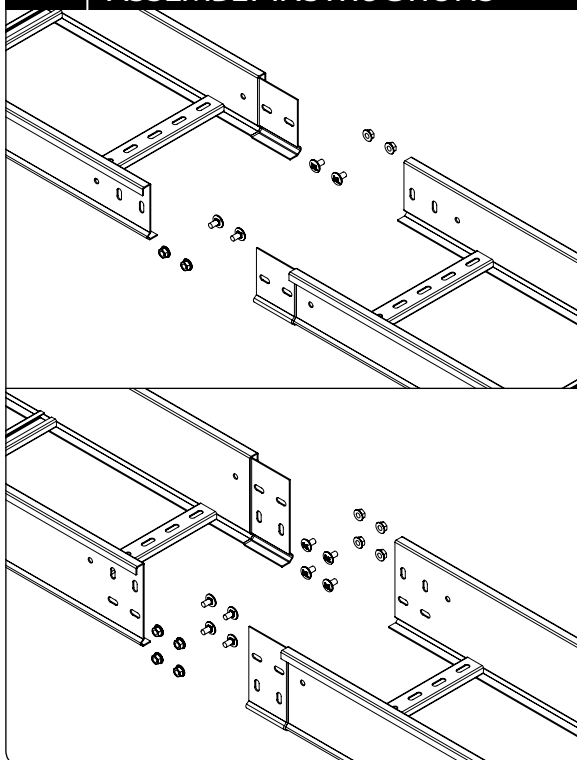
| Load, kg/m (lb/ft) | Span, m (ft) | | | |
|--------------------|--------------|----------|----------|----------|
| | 2.4 (8) | 3.7 (12) | 4.9 (16) | 6.0 (20) |
| A - 74 (50) | 8A | 12A | 16A | 20A |
| B - 112 (75) | 8B | 12B | 16B | 20B |
| C - 149 (100) | 8C | 12C | 16C | 20C |

F2E Side Rail classes:

| Side Rail (Hxe) | 75x2 | 100x2 | 120x2 | 150x2 |
|-----------------|--------|---------|-------------|-------------|
| Class | 8C-12B | 12C-16A | 12C-16B-20A | 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), F2E 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 CPF2E, vertical inside/outside bends CCF2E/CXF2E, T intersection TEF2E, cross intersection CRF2E, 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").