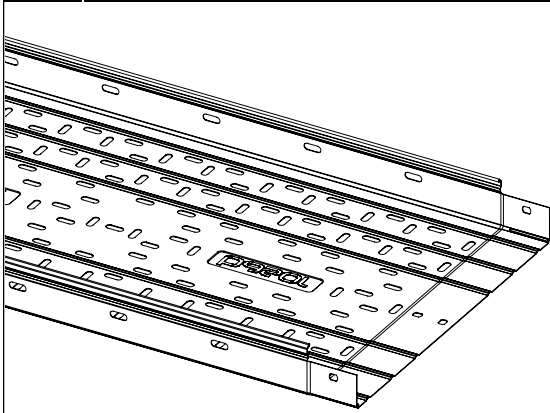




Certificado Nº SGI 3198065/11

Certificado Nº SGI 3198065/12

**MRE**



**Models (BxH):**

100x60; 150x60; 200x60; 300x60; 400x60; 500x60; 600x60; 100x80; 150x80; 200x80; 300x80; 400x80; 500x80; 600x80; 100x100; 150x100; 200x100; 300x100; 400x100; 500x100; 600x100.

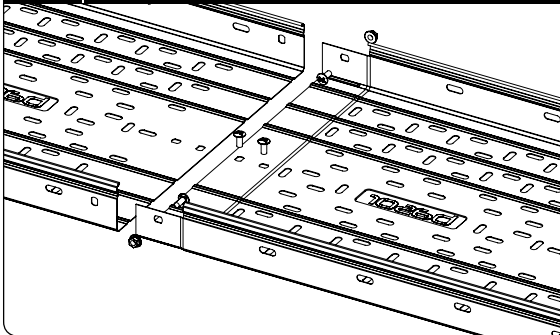
Acabados: PG, HDG, ss304, ss316.

**Characteristics of the cable tray:**

- Metallic
- Non flame propagating component
- System with electrical continuity
- Minimum Temperature of -50 °C
- Maximum Temperature of 150 °C
- With metallic coating, resistant to corrosion:
  - PG: 15 microns
  - HDG: 45 microns (higher coating under request)
- Impact Strength: 20J



**INSTRUCCIONES DE USO**



- To set up FRE's self-assembly system 4 B1 Bolt&Nut sets are needed.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas.
- 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.

**Accesories:**

This family has large array of accesories: Cover, divider, horizontal bend, vertical inside/outside bends, T intersection, cross intersection, reduction, AS lateral derivation, union joint, articulated union joints.

**SAFE WORKING LOAD**

PG/HDG	SWL kg/m (lb/ft)		Clasification	
	5 ft	8 ft	5 ft	8 ft
	1,52 m	2,44 m	1,52 m	2,44 m
H60	115,4 (77,6)	45,1 (30,3)	5B	8AA
H80	215,3 (144,7)	84,1 (56,5)	5C	8A
H100	230,7 (155)	90,1 (60,5)	5C	8A

SAFETY FACTOR: 1,5.

## SAFE WORKING LOAD

	SWL kg/m (lb/ft)		Clasificación	
	5 ft	8 ft	5 ft	8 ft
	1,52 m	2,44 m	1,52 m	2,44 m
ss304 / ss316				
H60	138,4 (93)	54,1 (36,4)	5B	8AA
H80	265,3 (178,3)	103,6 (69,62)	5C	8A
H100	349,9 (235,1)	136,7 (91,9)	5C	8B

SAFETY FACTOR: 1,5.

## MAXIMUM FUSE AMPERE RATING / NEC CLASIFICACION

To use the tray as equipment grounding conductor is required to consider the following table:

Model (BxH)	Perforated		Solid Bottom	
	Min. Cross-Section	Max. Amp	Min. Cross-Section	Max. Amp
mm	mm <sup>2</sup> (in <sup>2</sup> )	Acc. NEC 392.6	mm <sup>2</sup> (in <sup>2</sup> )	Acc. NEC 392.6
MRE 100x60	175 (0,271)	60A	227 (0,351)	60A
MRE 150x60	210 (0,325)	60A	277 (0,429)	100A
MRE 200x60	260 (0,403)	100A	327 (0,506)	100A
MRE 300x60	345 (0,534)	100A	427 (0,661)	100A
MRE 400x60	412 (0,638)	100A	527 (0,816)	200A
MRE 500x60	475 (0,736)	200A	627 (0,971)	200A
MRE 600x60	532 (0,824)	200A	727 (1,126)	400A
MRE 100x80	232 (0,359)	60A	267 (0,413)	100A
MRE 150x80	280 (0,434)	100A	317 (0,491)	100A
MRE 200x80	330 (0,511)	100A	367 (0,568)	100A
MRE 300x80	392 (0,607)	100A	467 (0,723)	200A
MRE 400x80	452 (0,700)	200A	567 (0,878)	200A
MRE 500x80	512 (0,793)	200A	667 (1,033)	400A
MRE 600x80	572 (0,886)	200A	767 (1,188)	400A
MRE 100x100	270 (0,419)	100A	307 (0,476)	100A
MRE 150x100	305 (0,472)	100A	357 (0,553)	100A
MRE 200x100	355 (0,550)	100A	407 (0,630)	100A
MRE 300x100	432 (0,669)	100A	507 (0,785)	200A
MRE 400x100	492 (0,762)	200A	607 (0,940)	200A
MRE 500x100	552 (0,855)	200A	707 (1,095)	400A
MRE 600x100	612 (0,948)	200A	807 (1,250)	400A