

Mounting Rails

Special Slotted Mounting Rail Profile for heavy loads

Material specifications	
Material	DX51D or Equivalent steel DD11 or Equivalent steel
Coatings	Galvanized, Hot-Dip Galvanized (HDG), Powder Coating*, Zinc Magnesium*

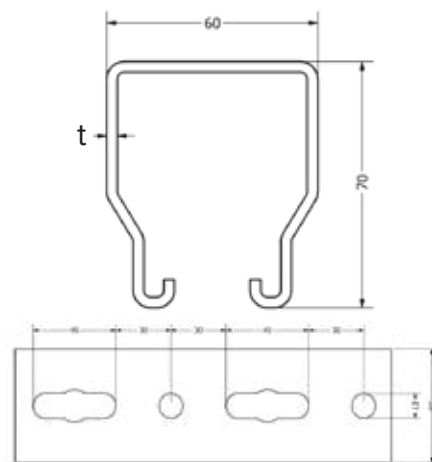


Applications

- Installation of medium to heavy-duty ventilation ducts, plumbing & firefighting pipes and cable trays
- Secondary support structure for installation of different services.

Features & Benefits

- Wide range of mounting options in conjunction with our FXR mounting rail accessories.
- Quick and efficient attachment of multiple support structure.
- Lateral and vertical adjustment with reliable fastening
- High load bearing capacity owing to special material properties and design.




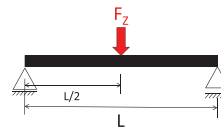
Select Variant

Article No.		Product Description	L (mm)	W (mm)	H (mm)	t (mm)
Galvanized (vz)	HDG (fvz)					
602060	602061	FXR Mounting Rail 60 70 3.0, 6 m	6000	60	70	3.0
602063	602064	FXR Mounting Rail 60 70 3.0, 3 m	3000	60	70	3.0
602066	602067	FXR Mounting Rail 60 70 3.0, 2 m	2000	60	70	3.0

*Available on request

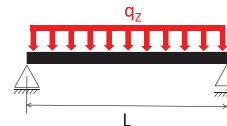
Technical Data:

	60170i3
Sectional Properties:	DX51D + Z275
Profile Section Area A (cm ²)	6.72
Section Modulus Wz (cm ³)	13.18
Section Modulus Wy (cm ³)	11.29
Moment of inertia Iz (cm ⁴)	41.62
Moment of inertia Iy (cm ⁴)	34.04
Radius of gyration rz (cm)	2.49
Radius of gyration ry (cm)	2.25



Load bearing capacities of profiles for bending around the y-axis:

Rail Length (mm)	Max Design Load (N)	Deflection (mm)
6000	300	24.85
5000	540	20.62
4000	970	16.65
3500	1320	14.58
3000	1850	12.49
2500	2720	10.41
2000	4220	8.16
1500	5660	4.59
1250	6810	3.19
1000	8520	2.04
750	11380	1.15
500	17100	0.51
300		
250		
200		
100		



Rail Length (mm)	Max Design Load (N)	Deflection (mm)
6000	480	24.85
5000	870	20.74
4000	1550	16.64
3500	2100	14.50
3000	2960	12.49
2500	4350	10.41
2000	6880	8.32
1500	11320	5.73
1250	13620	3.98
1000	17050	2.55
750	22780	1.43
500	34200	0.64
300		
250		
200		
100		

Note:

- The determined loads apply for static loads. Calculation based on Eurocode (EC3).
- The safety coefficient = 1.54 takes into account the partial and combination coefficients as well as the safety factor of the material.
- For the given values, the permissible steel stress and the maximum permissible deflection L/200 are not exceeded, taking the deadweight into consideration.