FXR 41 | 62

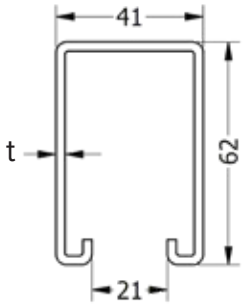
Mounting Rails

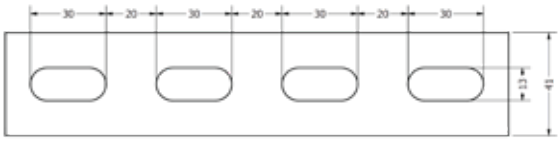
Universal slotted mounting rail profile

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

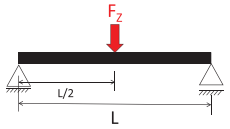
Article No.		Product Description	L (mm)	W (mm)	H (mm)	t (mm)
Galvanized (vz)	HDG (fvz)					
602100	602101	FXR Mounting Rail 41|62|2.0, 6 m	6000	41	62	2.0
602103	602104	FXR Mounting Rail 41|62|2.0, 3 m	3000	41	62	2.0
602106	602107	FXR Mounting Rail 41|62|2.0, 2 m	2000	41	62	2.0
602080	602081	FXR Mounting Rail 41|62|2.5, 6 m	6000	41	62	2.5
602083	602084	FXR Mounting Rail 41|62|2.5, 3 m	3000	41	62	2.5
602086	602087	FXR Mounting Rail 41|62|2.5, 2 m	2000	41	62	2.5

*Available on request

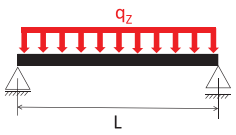
Technical Data:

Sectional Properties:	41|62|2.5
	DX51D + Z275
Profile Section Area A (cm^2)	3.983
Section Modulus Wz (cm^3)	6.307
Section Modulus Wy (cm^3)	5.523
Moment of inertia Iz (cm^4)	12.93
Moment of inertia Iy (cm^4)	17.209
Radius of gyration rz (cm)	2.21
Radius of gyration ry (cm)	1.72

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



Rail Length (mm)	Max Design Load (N)	Deflection (mm)
6000	126	30
5000	251	25
4000	465	20
3500	641	17.5
3000	906	15
2500	1309	12.22
2000	1653	7.8
1500	2221	4.38
1250	2671	3.03
1000	3343	1.94
750	4453	1.09
500	6.633	0.48
300	10781	0.17
250	12721	0.11
200	15434	0.07
100	25350	0.01



Rail Length (mm)	Max Design Load (N)	Deflection (mm)
6000	30	30
5000	80	25
4000	190	20
3500	290	17.5
3000	480	15
2500	860	12.5
2000	1650	9.67
1500	2960	5.42
1250	4270	3.75
1000	6650	2.39
750	11660	1.33
500	25460	0.57
300	64860	0.19
250	88390	0.12
200	126711	0.07
100	367360	0.01

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.