

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*

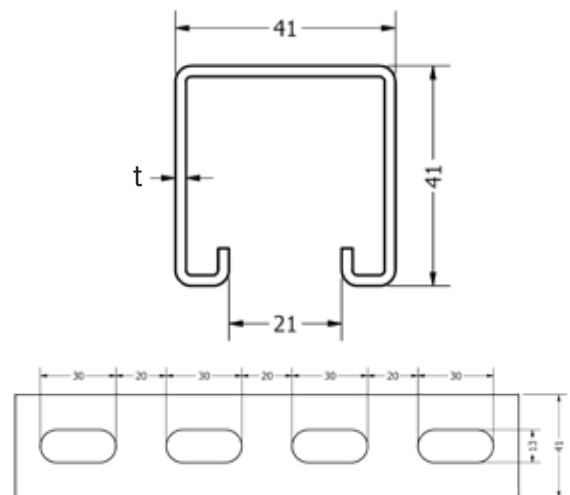


Applications

- Installation of light to medium-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.



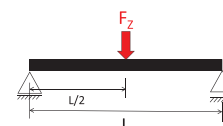
Select Variant

Article No.		Product Description	L (mm)	W (mm)	H (mm)	t (mm)
Galvanized (vz)	HDG (fvz)					
602030	602031	FXR Mounting Rail 41 41 1.5, 6 m	6000	41	41	1.5
602033	602034	FXR Mounting Rail 41 41 1.5, 3 m	3000	41	41	1.5
602036	602037	FXR Mounting Rail 41 41 1.5, 2 m	2000	41	41	1.5
602010	602011	FXR Mounting Rail 41 41 2.0, 6 m	6000	41	41	2.0
602013	602014	FXR Mounting Rail 41 41 2.0, 3 m	3000	41	41	2.0
602016	602017	FXR Mounting Rail 41 41 2.0, 2 m	2000	41	41	2.0
602020	602021	FXR Mounting Rail 41 41 2.5, 6 m	6000	41	41	2.5
602023	602024	FXR Mounting Rail 41 41 2.5, 3 m	3000	41	41	2.5
602026	602027	FXR Mounting Rail 41 41 2.5, 2 m	2000	41	41	2.5

*Available on request

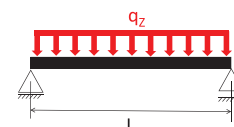
Technical Data:

	41 41 1.5	41 41 2.0	41 41 2.5
Sectional Properties:	DX51D + Z275		
Profile Section Area A (cm ²)	2.19	2.86	3.59
Section Modulus Wz (cm ³)	2.32	2.96	3.68
Section Modulus Wy (cm ³)	2.98	3.74	4.62
Moment of inertia Iz (cm ⁴)	5.13	6.52	8.16
Moment of inertia Iy (cm ⁴)	6.12	7.66	9.58
Radius of gyration rz (cm)	2.32	1.51	1.51
Radius of gyration ry (cm)	2.98	1.64	1.63



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

Rail Length (mm)	Max Design Load (N)	Deflection (mm)	Max Design Load (N)	Deflection (mm)	Max Design Load (N)	Deflection (mm)
6000						
5000						
4000			110	15.75	140	15.93
3500			170	14.04	220	14.42
3000			260	12.28	330	12.43
2500			400	10.28	500	10.27
2000	520	8.36	650	8.23	820	8.29
1500	940	6.23	1190	6.21	1490	6.21
1250	1190	4.54	1520	4.57	1890	4.54
1000	1500	2.92	1910	2.93	2370	2.90
750	2000	1.64	2550	1.64	3170	1.63
500	3000	0.73	3830	0.73	4760	0.72
300	5000	0.26	6390	0.26	7950	0.26
250	6000	0.18	7670	0.18	9540	0.18
200	7520	0.12	9600	0.12	11930	0.12
100	15050	0.03	19200	0.03	23860	0.03



Rail Length (mm)	Max Design Load (N)	Deflection (mm)	Max Design Load (N)	Deflection (mm)	Max Design Load (N)	Deflection (mm)
6000						
5000						
4000			190	16.60	230	16.22
3500			280	14.37	350	14.36
3000			420	12.38	530	12.47
2500			640	10.28	810	10.39
2000	830	8.34	1050	8.30	1310	8.28
1500	1500	6.22	1910	6.23	2390	6.23
1250	2180	5.19	2770	5.19	3470	5.20
1000	3000	3.65	3820	3.65	4740	3.62
750	4000	2.05	5100	2.05	6340	2.04
500	6010	0.91	7670	0.91	9530	0.91
300	10030	0.33	12790	0.33	15900	0.33
250	12040	0.23	15350	0.23	19090	0.23
200	15050	0.15	19200	0.15	23870	0.15
100	30100	0.04	38400	0.04	47740	0.04

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.