



Product Code:

TS21S-3/ZM

Product Range:

Strut Channel & Support, Zinc Magnesium, Strut Channel

Issue Date:

8/4/2026

Description:

41mm x 21mm Zinc Magnesium Slotted Channel (3m Length)

Features:

- Plain and Slotted channel available.
- Rigid construction for a wide variety of applications.
- Manufactured from structural grade zinc magnesium steel strip to BS EN 10346:2015.
- Channel available in both structural grade 2.5mm and light duty 1.5mm gauge.
- Supplied in 3 metre length.
- Wide range of external brackets available for use with strut frame work.
- Tamlex strut framework can be ordered pre-cut to any length to suit customer requirements.
- Can be powder coated to customer specific RAL colour.



Technical:

Product Type Strut Channel

Width 41mm

Height 21mm

Length 3000mm

Weight 4.14 Kgs

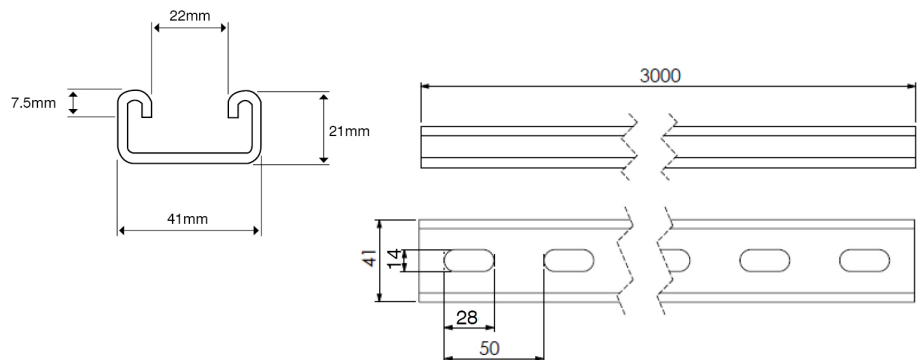
Gauge 2.5mm

Material Zinc Magnesium Steel ZM310

Colour/Finish Self Colour

Standards BS 6946:1988

The approximate weights given are for pre-galvanised finish only, in kilograms (nominal) and subject to material thickness tolerance.





Tamlex Data Sheet

Plain 41x21x2.5 thk. (Mass 1.81kg/m)

| Beam Span (mm) | Ultimate Loading | | Limit Def. Span/200 | | Limit Def. Span/360 | |
|----------------|-------------------------|-----------------|---------------------|-----------------|---------------------|-----------------|
| | Total Applied Load (kg) | Total Def. (mm) | Applied UDL (kg) | Total Def. (mm) | Applied UDL (kg) | Total Def. (mm) |
| 250 | 547.3 | 0.4 | | | | |
| 500 | 273.0 | 1.8 | | | 213.0 | 1.4 |
| 750 | 181.4 | 4.0 | 169.8 | 3.8 | 93.7 | 2.1 |
| 1000 | 135.3 | 7.1 | 94.5 | 5.0 | 51.7 | 2.8 |
| 1250 | 107.6 | 11.1 | 59.4 | 6.3 | 32.0 | 3.5 |
| 1500 | 88.9 | 16.1 | 40.1 | 7.5 | 21.1 | 4.2 |
| 1750 | 75.5 | 21.9 | 28.3 | 8.8 | 14.3 | 4.9 |
| 2000 | 65.3 | 28.6 | 20.4 | 10.0 | 9.8 | 5.6 |
| 2250 | 57.3 | 36.3 | 14.9 | 11.3 | 6.5 | 6.3 |
| 2500 | 50.8 | 44.9 | 10.9 | 12.5 | 4.0 | 6.9 |
| 2750 | 45.4 | 54.4 | 7.8 | 13.8 | 2.1 | 7.6 |
| 3000 | 40.9 | 64.9 | 5.3 | 15.0 | 0.5 | 8.3 |
| 3250 | 37.0 | 76.4 | 3.2 | 16.3 | | |
| 3500 | 33.6 | 88.9 | 1.5 | 17.5 | | |
| 3750 | 30.6 | 102.3 | 0.1 | 18.8 | | |
| 4000 | 27.9 | 116.8 | | | | |
| 4250 | 25.5 | 132.3 | | | | |
| 4500 | 23.3 | 148.8 | | | | |
| 4750 | 21.3 | 166.4 | | | | |
| 5000 | 19.5 | 185.1 | | | | |
| 5250 | 17.8 | 204.9 | | | | |
| 5500 | 16.2 | 225.8 | | | | |
| 5750 | 14.7 | 247.9 | | | | |
| 6000 | 13.3 | 271.2 | | | | |



Load, Span & Deflection Graph

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