MPC3/3 Data Sheet



#### Description

41 x 41mm / 3mtr Plain Steel Channel: Light Gauge

## Finish

Pre-Galvanised

#### Material

1.5mm Thickness Steel

#### Packaging

Packed in qty 1

#### **Additional Notes**

Meets the mechanical strength of BS6946:1988 & compliant to BSEN10346 Features strengthening ribs down each side Each length is marked 'Metpro' for full traceability Benefits from a 5 year extended warranty when used as part of the Metpro Steel Bracketry System







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# MPC3/3: Load Information

## Key:

|   |                       | v      |
|---|-----------------------|--------|
| Α | Cross Section Area    | 0<br>0 |
| 1 | Second Moment of Area | 0<br>0 |
| Z | Section Modulus       | 0<br>0 |
| С | Centroid Distance     | •<br>• |
| r | Radius of Gyration    | •      |
|   |                       | •<br>• |
|   |                       | 0<br>0 |
|   |                       | •      |
|   |                       | 0<br>0 |

| Α     | 2.17cm <sup>2</sup> |  |  |
|-------|---------------------|--|--|
| l x-x | 4.93cm <sup>4</sup> |  |  |
| Z x-x | 2.18cm <sup>3</sup> |  |  |
| C x-x | 1.87cm              |  |  |
| l y-y | 6.18cm <sup>4</sup> |  |  |
| Z у-у | 2.99cm <sup>3</sup> |  |  |
| Су-у  | 2.065cm             |  |  |
| r x-x | 1.51cm              |  |  |
| ry-y  | 1.69cm              |  |  |
|       |                     |  |  |



| Length<br>(mm) | Max. Uniform Dist. Load<br>(kg) | Defl. at Uniform Dist.<br>Load (mm) | Max. Uniform Dist. Load<br>at Defl. of L/200 (kg) | Max. Uniform Dist. Load<br>at Defl. of L/360 (kg) |
|----------------|---------------------------------|-------------------------------------|---|---|
| 250            | 1245                            | 0.25                                | -   | -   |
| 500            | 623                             | 0.98                                | -   | -   |
| 750            | 415                             | 2.21                                | -   | 391   |
| 1000           | 311                             | 3.93                                | -   | 220   |
| 1250           | 249                             | 6.15                                | -   | 141   |
| 1500           | 208                             | 8.85                                | 176   | 98  |
| 1750           | 178                             | 12.05                               | 129   | 72  |
| 2000           | 156                             | 15.74                               | 99  | 55  |
| 2250           | 138                             | 19.92                               | 78  | 43  |
| 2500           | 125                             | 24.59                               | 63  | 35  |
| 2750           | 113                             | 29.76                               | 52  | 29  |
| 3000           | 104                             | 35.41                               | 44  | 24  |

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