

MPC4/3

Data Sheet



Description

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

Finish

Pre-Galvanised

Material

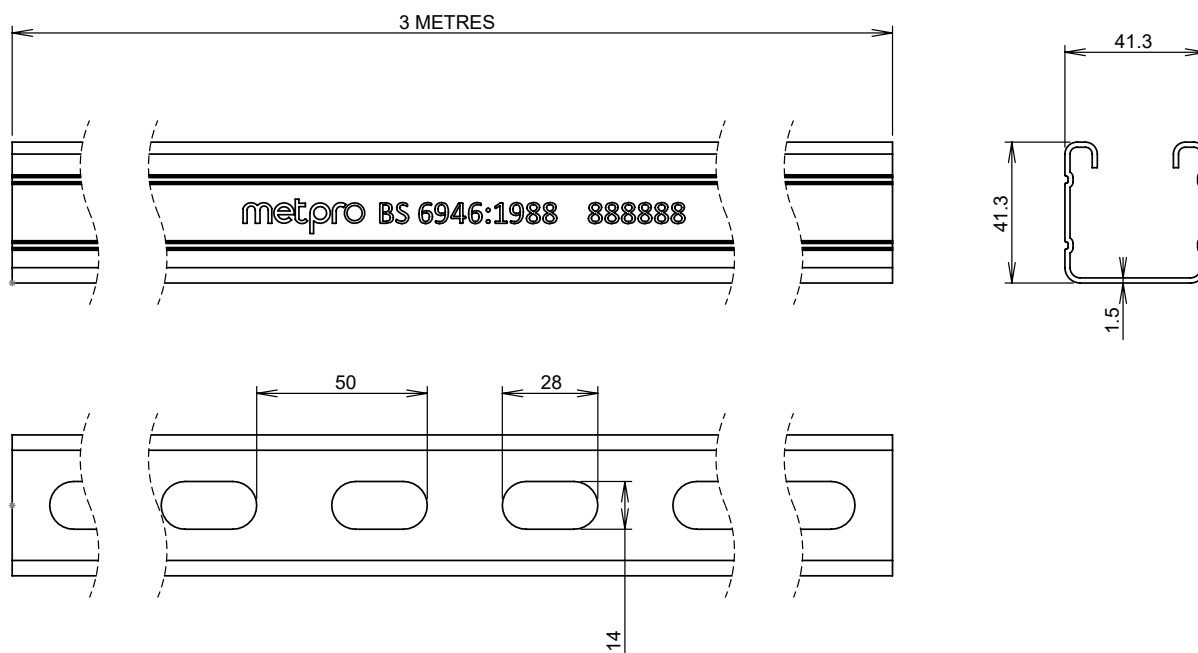
1.5mm Thickness Steel


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



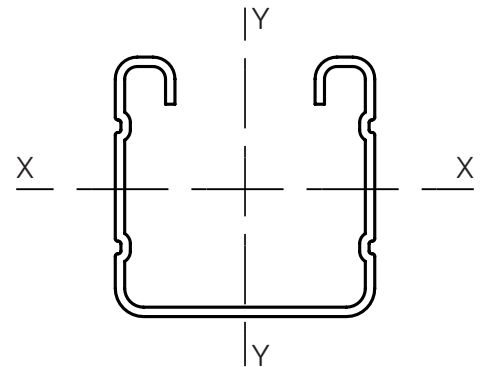
 Values are nominal and with a general tolerance $\pm 5\%$ unless otherwise specified

MPC4/3: Load Information

Key:

A Cross Section Area
I Second Moment of Area
Z Section Modulus
C Centroid Distance
r Radius of Gyration

A 1.96cm²
I_{x-x} 4.18cm⁴
Z_{x-x} 2.02cm³
C_{x-x} 2.06cm
I_{y-y} 6.14cm⁴
Z_{y-y} 2.97cm³
C_{y-y} 2.065cm
r_{x-x} 1.46cm
r_{y-y} 1.77cm



Length (mm)	Max. Uniform Dist. Load (kg)	Defl. at Uniform Dist. Load (mm)	Max. Uniform Dist. Load at Defl. of L/200 (kg)	Max. Uniform Dist. Load at Defl. of L/360 (kg)
250	1152	0.24	-	-
500	576	0.98	-	-
750	384	2.21	-	331
1000	288	3.92	-	186
1250	230	6.13	-	119
1500	192	8.83	149	83
1750	164	12.02	110	61
2000	143	15.64	84	47
2250	128	19.91	66	37
2500	115	24.53	54	30
2750	104	29.51	44	25
3000	96	35.33	37	21

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