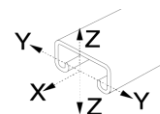
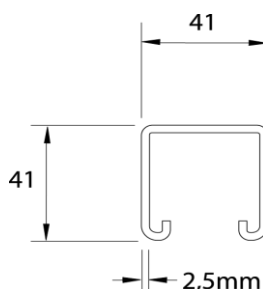
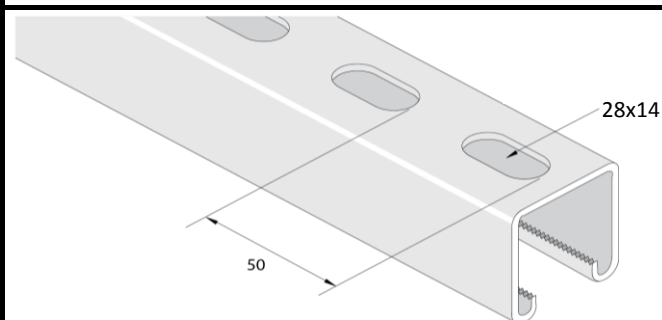


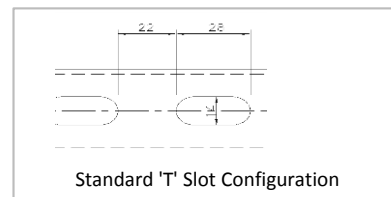
# Product Data Sheet

## P1000T Channel (Slotted)



A	= 3.00 cm <sup>2</sup>
$\frac{m}{m}$	= 2.73 kg/m
I <sub>y-y</sub>	= 6.10 cm <sup>4</sup>
Z <sub>y-y</sub>	= 2.87 cm <sup>3</sup>
r <sub>y-y</sub>	= 1.42 cm
I <sub>z-z</sub>	= 9.17 cm <sup>4</sup>
Z <sub>z-z</sub>	= 4.44 cm <sup>3</sup>
r <sub>z-z</sub>	= 1.74 cm

L(mm)	F		$\sigma = 175 \text{ N/mm}^2$	$f = \frac{1}{200}L$	$f = \frac{1}{360}L$	F <sub>RU</sub>
	F <sub>max</sub> (kN)	f <sub>max</sub> (mm)				
250	16.069	0.27	-	-	-	16.283
500	8.034	1.05	-	-	-	16.039
750	5.356	2.35	-	-	4.738	15.274
1000	4.012	4.18	-	-	2.659	13.626
1250	3.208	6.54	3.071	1.707	-	11.880
1500	2.678	9.41	2.129	1.177	-	10.418
1750	2.296	12.81	1.560	0.863	-	9.231
2000	2.001	16.73	1.197	0.657	-	8.270
2250	1.785	21.18	0.942	0.520	-	7.465
2500	1.599	26.15	0.765	0.422	-	6.779
2750	1.452	31.64	0.628	0.343	-	6.190*
3000	1.334	37.65	0.530	0.294	-	5.670*



\*180 ≤ kL/r < 250

NB: Load data is for **Mild Steel** channels

**Material:**

- P1000TP:- Plain Coil to BS EN 10025 Pickled & Oiled min. yield 280 n/mm<sup>2</sup>
- P1000TPG:- Mild steel - BS EN 10346 1.0244
- P1000TH:- Plain Coil to BS EN 10025 Pickled & Oiled min. yield 280 n/mm<sup>2</sup>
- P1000TDH:- BS EN 10025 S275JO+AR+CL1 or equivalent/better.
- P1000TEDH:- BS EN 10025 Class 3 material - Pickled & Oiled min. yield 280 n/mm<sup>2</sup>
- P1000TSS:- See separate Data Sheet

**Finishes:**

- P1000TP:- Self Colour
- P1000TPG:- BS EN 10326 coating Z275
- P1000TH:- Hot Dip Galvanized - to BS EN ISO 1461: to a mean coating thickness (minimum) of 55 μm.
- P1000TDH:- Hot Dip Galvanized - to BS EN ISO 1461: to a mean coating thickness (minimum) of 85 μm.
- P1000TEDH:- Hot Dip Galvanized - to BS EN ISO 1461: to a mean coating thickness (minimum) of 120 μm.
- P1000TSS:- See separate Data Sheet

**Standard Lengths:**

3 meter      6 meter

**UNISTRUT HEALTH & SAFETY DATA SHEET REF'S:**

No. 001 - PLAIN STEEL, PRE-GALVANIZED, GALVANIZED AND STAINLESS STEEL COMPONENTS

No. 099 - HOT DIP GALVANIZING (CHANNEL & COMPONENTS)

No. 102 - STEEL