

Product Data Sheet

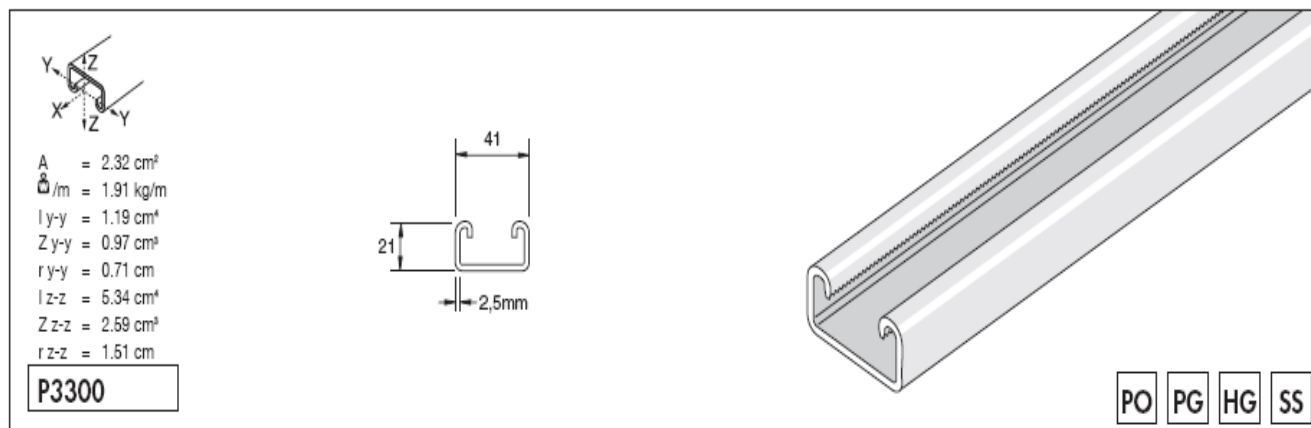
P3300**

issue:B

Date: April 2012



P3300 (3000mm or 6000mm) - CHANNEL 41 x 21 x 2.5mm**



L(mm)	F		$\sigma = 175 \text{ N/mm}^2$	$f = 1/200L$	$f = 1/360L$	F_{max}
	$F_{\text{max}}(\text{kN})$	$f_{\text{max}}(\text{mm})$	F (kN)	F (kN)		
250	5.425	0.45	-	-	10.222	
500	2.708	1.81	-	2.080	9.761	
750	1.805	4.07	1.658	0.922	8.427	
1000	1.354	7.24	0.932	0.520	6.769	
1250	1.079	11.32	0.598	0.324	5.376	
1500	0.903	16.30	0.412	0.226	4.287*	
1750	0.775	22.19	0.304	-	3.463*	
2000	0.677	28.99	0.226	-	-	

NB: Load data is for mild steel channels

* $k.L/r \Rightarrow 180 < 250$

NOTES:

1. The allowable loads shown above are shown for simple spans, i.e. beam on two supports with adequate lateral support.
2. Above loads include the weight of the member, this weight should be deducted to arrive at the net allowable load the beam will support.

Material:

- P3300P:- Plain Coil to BS EN 10025 Pickled & Oiled min. yield 280 n/mm²
- P3300PG:- Mild steel - BS EN 10346 1.0244
- P3300H:- Plain Coil to BS EN 10025 Pickled & Oiled min. yield 280 n/mm²
- P3300SS:- Stainless Steel Coil Hot Rolled to B.S.EN10088-2-1.4404+1D

Finish:

- P3300P:- Self Colour
- P3300PG:- BS EN 10326 coating Z275
- P3300H:- Hot Dip Galvanized - Process in accordance with BS EN ISO 1461 to a mean coating thickness (minimum) of 55µm
- P3300SS:- Self Colour

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

