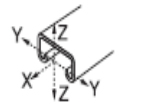
# Product Data Sheet

*P3300** issue:B Date: April 2012*

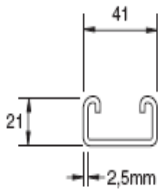
UNISTRUT® Atkore INTERNATIONAL

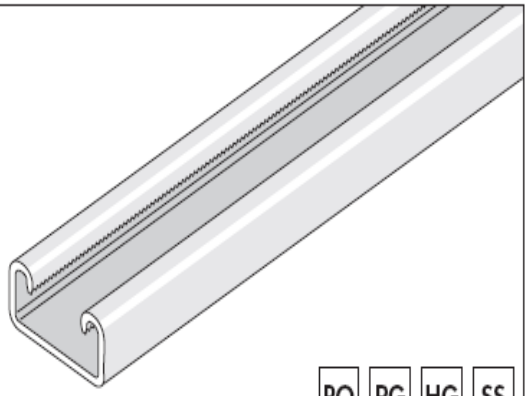
## P3300** (3000mm or 6000mm) - CHANNEL 41 x 21 x 2.5mm




A = 2.32 cm²
/m = 1.91 kg/m
I y-y = 1.19 cm⁴
Z y-y = 0.97 cm³
r y-y = 0.71 cm
I z-z = 5.34 cm⁴
Z z-z = 2.59 cm³
r z-z = 1.51 cm

P3300



PO PG HG SS

| L(mm) | F, σ=175 N/mm² | | f=1/200L | f=1/360L | F |
|---|---|---|---|---|---|
| | Fmax(kN) | fmax(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* |
| 200 | 0.677 | 28.99 | 0.226 | - | - |

*k.L/r =>180 < 250

NB: Load data is for mild steel channels

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