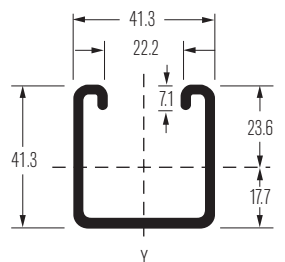
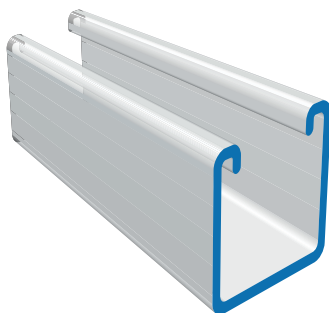


# UNISTRUT®

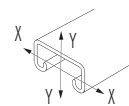
## P1000®

P1000®

PL/GB/HG



Mass: 2.59kg/m



|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 330mm <sup>2</sup>                    |
| kg/m  | - | 2.59kg/m                              |
| I x-x | = | 0.069 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 2.920 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 14.5mm                                |
| I y-y | = | 0.092 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 4.451 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 16.7mm                                |

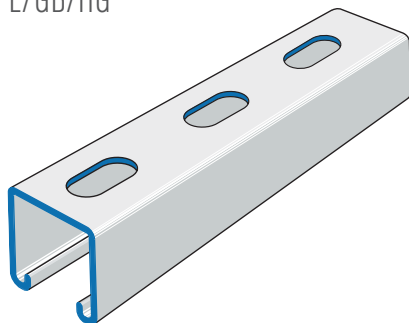
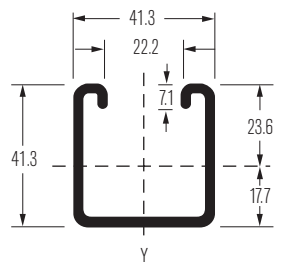
| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 14.83    | 0.22     | 45.51 |
| 500   | 7.42     | 0.87     | 36.84 |
| 750   | 4.94     | 1.97     | 28.22 |
| 1000  | 3.71     | 3.50     | 21.44 |
| 1250  | 2.97     | 5.46     | 16.42 |
| 1500  | 2.47     | 7.87     | 13.20 |
| 1750  | 2.12 (2) | 10.71    | 11.00 |
| 2000  | 1.85 (2) | 13.99    | 9.35  |
| 2250  | 1.65 (2) | 17.70    | 8.05  |
| 2500  | 1.48 (2) | 21.85    | 7.01  |
| 2750  | 1.35 (2) | 26.44    | 6.14  |
| 3000  | 1.24 (2) | 31.47    | -     |

| Part No.  | Material Thickness | Length |
|-----------|--------------------|--------|
| P1000-PL  | 2.5mm              | 6m     |
| P10003-PL | 2.5mm              | 3m     |
| P1000-GB  | 2.5mm              | 6m     |
| P10003-GB | 2.5mm              | 3m     |
| P1000-HG  | 2.5mm              | 6m     |
| P10003-HG | 2.5mm              | 3m     |

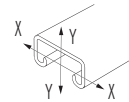
(2) See Note 2 Page 9

P1000T

PL/GB/HG

Slots 14 wide x 28 long  
at 50mm centres (approx.)

Mass: 2.32kg/m



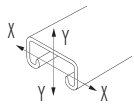
|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 295mm <sup>2</sup>                    |
| kg/m  | - | 2.32kg/m                              |
| I x-x | = | 0.059 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 2.698 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 14.1mm                                |
| I y-y | = | 0.091 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 4.423 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 17.6mm                                |

| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 13.35    | 0.20     | 40.96 |
| 500   | 6.68     | 0.78     | 33.16 |
| 750   | 4.49     | 1.77     | 25.40 |
| 1000  | 3.34     | 3.15     | 19.30 |
| 1250  | 2.67     | 4.91     | 14.78 |
| 1500  | 2.22     | 7.08     | 11.88 |
| 1750  | 1.91 (2) | 9.64     | 9.90  |
| 2000  | 1.66 (2) | 12.59    | 8.41  |
| 2250  | 1.48 (2) | 15.93    | 7.24  |
| 2500  | 1.33 (2) | 19.66    | 6.31  |
| 2750  | 1.21 (2) | 23.80    | 5.53  |
| 3000  | 1.12 (2) | 28.32    | -     |

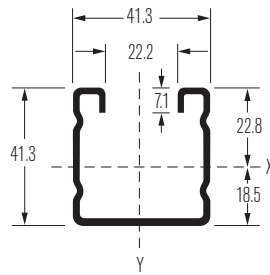
| Part No.   | Material Thickness | Length |
|------------|--------------------|--------|
| P1000T-PL  | 2.5mm              | 6m     |
| P10003T-PL | 2.5mm              | 6m     |
| P1000T-GB  | 2.5mm              | 6m     |
| P10003T-GB | 2.5mm              | 3m     |
| P1000T-HG  | 2.5mm              | 6m     |
| P10003T-HG | 2.5mm              | 3m     |

(2) See Note 2 Page 9

# UNISTRUT® P2000



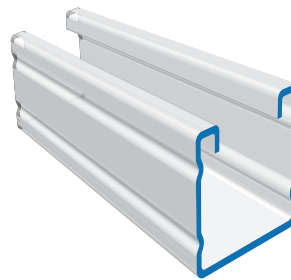
|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 228mm <sup>2</sup>                    |
| kg/m  | - | 1.79 kg/m                             |
| I x-x | = | 0.052 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 2.297 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 15.2mm                                |
| I y-y | = | 0.065 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 3.143 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 16.9mm                                |



Mass: 1.79kg/m

PL/GB/HG

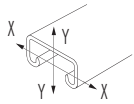
P2000



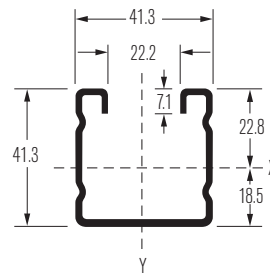
| Part No.  | Material Thickness | Length |
|-----------|--------------------|--------|
| P2000-PL  | 1.6mm              | 6m     |
| P20003-PL | 1.6mm              | 3m     |
| P2000-GB  | 1.6mm              | 6m     |
| P20003-GB | 1.6mm              | 3m     |
| P2000-HG  | 1.6mm              | 6m     |
| P20003-HG | 1.6mm              | 3m     |

| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 10.30    | 0.20     | 32.92 |
| 500   | 6.06     | 0.94     | 26.55 |
| 750   | 4.04     | 2.12     | 19.21 |
| 1000  | 3.03     | 3.77     | 12.91 |
| 1250  | 2.42     | 5.89     | 9.03  |
| 1500  | 2.02     | 8.48     | 6.89  |
| 1750  | 1.73 (2) | 11.54    | 5.56  |
| 2000  | 1.27 (2) | 8.41     | 5.46  |
| 2250  | 1.35 (2) | 19.07    | 4.02  |
| 2500  | 1.21 (2) | 23.55    | 3.53  |
| 2750  | 1.10 (2) | 28.49    | 3.14  |
| 3000  | 1.01 (2) | 33.91    | 2.82  |

(2) See Note 2 Page 9



|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 206mm <sup>2</sup>                    |
| kg/m  | - | 1.62kg/m                              |
| I x-x | = | 0.045 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 2.136 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 14.7mm                                |
| I y-y | = | 0.065 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 3.125 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 17.7mm                                |

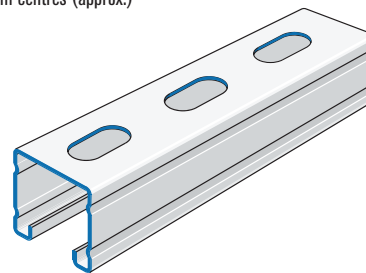


Mass: 1.62kg/m

Slots 11 wide x 28 long  
at 50mm centres (approx.)

PL/GB/HG

P2000T



| Part No.   | Material Thickness | Length |
|------------|--------------------|--------|
| P2000T-PL  | 1.6mm              | 6m     |
| P20003T-PL | 1.6mm              | 3m     |
| P2000T-GB  | 1.6mm              | 6m     |
| P20003T-GB | 1.6mm              | 3m     |
| P2000T-HG  | 1.6mm              | 6m     |
| P20003T-HG | 1.6mm              | 3m     |

| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 9.27     | 0.18     | 29.63 |
| 500   | 5.45     | 0.85     | 23.90 |
| 750   | 3.64     | 1.91     | 17.29 |
| 1000  | 2.73     | 3.39     | 11.62 |
| 1250  | 2.18     | 5.30     | 8.13  |
| 1500  | 1.82     | 7.63     | 6.20  |
| 1750  | 1.56 (2) | 10.39    | 5.00  |
| 2000  | 1.14 (2) | 7.57     | 4.91  |
| 2250  | 1.22 (2) | 17.16    | 3.62  |
| 2500  | 1.09 (2) | 21.20    | 3.18  |
| 2750  | 0.99 (2) | 25.64    | 2.83  |
| 3000  | 0.91 (2) | 30.52    | 2.54  |

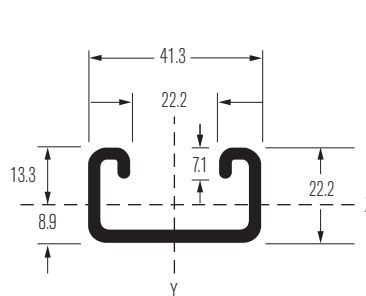
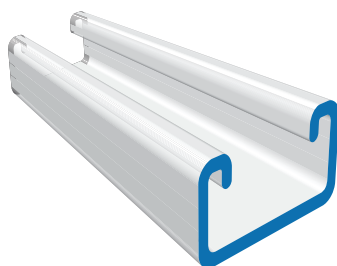
(2) See Note 2 Page 9

# UNISTRUT®

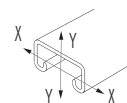
## P3300

P3300

PL/GB/HG



Mass: 1.82kg/m



|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 232mm <sup>2</sup>                    |
| kg/m  | - | 1.82 kg/m                             |
| I x-x | = | 0.013 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 0.999 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 7.6mm                                 |
| I y-y | = | 0.055 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 2.661 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 15.4mm                                |

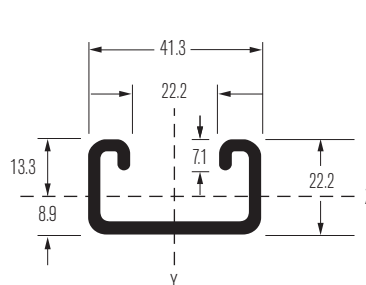
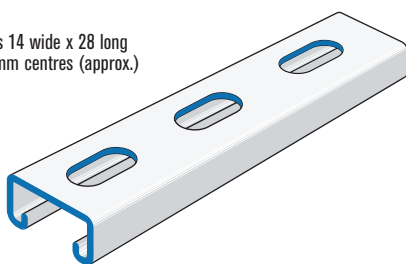
| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 5.52     | 0.42     | 34.88 |
| 500   | 2.76     | 1.68     | 27.76 |
| 750   | 1.84     | 3.79     | 19.42 |
| 1000  | 1.38     | 6.74     | 12.08 |
| 1250  | 1.10     | 10.53    | 7.90  |
| 1500  | 0.92     | 15.16    | 5.56  |
| 1750  | 0.79 (2) | 20.63    | -     |
| 2000  | 0.69 (2) | 26.95    | -     |
| 2250  | 0.61 (2) | 34.11    | -     |
| 2500  | 0.55 (2) | 42.11    | -     |
| 2750  | 0.50 (2) | 50.95    | -     |
| 3000  | 0.46 (2) | 60.63    | -     |

| Part No.  | Material Thickness | Length |
|-----------|--------------------|--------|
| P3300-PL  | 2.5mm              | 6m     |
| P33003-PL | 2.5mm              | 3m     |
| P3300-GB  | 2.5mm              | 6m     |
| P33003-GB | 2.5mm              | 3m     |
| P3300-HG  | 2.5mm              | 6m     |
| P33003-HG | 2.5mm              | 3m     |

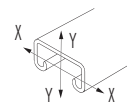
(2) See Note 2 Page 9

P3300T

PL/GB/HG

Slots 14 wide x 28 long  
at 50mm centres (approx.)

Mass: 1.55kg/m



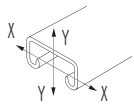
|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 197mm <sup>2</sup>                    |
| kg/m  | - | 1.55kg/m                              |
| I x-x | = | 0.011 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 0.912 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 7.5mm                                 |
| I y-y | = | 0.054 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 2.634 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 16.6mm                                |

| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 4.97     | 0.38     | 31.39 |
| 500   | 2.48     | 1.51     | 24.98 |
| 750   | 1.66     | 3.41     | 17.48 |
| 1000  | 1.24     | 6.07     | 10.87 |
| 1250  | 0.99     | 9.48     | 7.11  |
| 1500  | 0.83     | 13.64    | 5.00  |
| 1750  | 0.71 (2) | 18.57    | -     |
| 2000  | 0.62 (2) | 24.26    | -     |
| 2250  | 0.55 (2) | 30.70    | -     |
| 2500  | 0.50 (2) | 37.90    | -     |
| 2750  | 0.45 (2) | 45.86    | -     |
| 3000  | 0.41 (2) | 54.57    | -     |

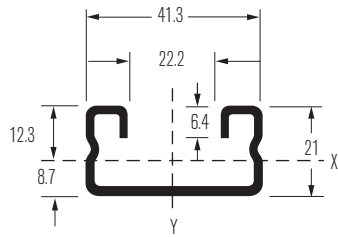
| Part No.   | Material Thickness | Length |
|------------|--------------------|--------|
| P3300T-PL  | 2.5mm              | 6m     |
| P33003T-PL | 2.5mm              | 3m     |
| P3300T-GB  | 2.5mm              | 6m     |
| P33003T-GB | 2.5mm              | 3m     |
| P3300T-HG  | 2.5mm              | 6m     |
| P33003T-HG | 2.5mm              | 3m     |

(2) See Note 2 Page 9

# UNISTRUT® P4000



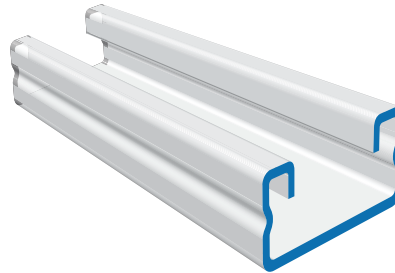
|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 160mm <sup>2</sup>                    |
| kg/m  | - | 1.26kg/m                              |
| I x-x | = | 0.010 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 0.786 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 7.8mm                                 |
| I y-y | = | 0.039 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 1.880 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 15.6mm                                |



Mass: 1.26kg/m

PL/GB/HG

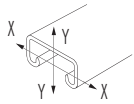
P4000



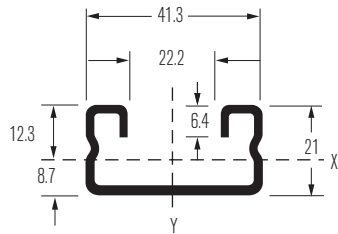
| Part No. | Material Thickness | Length |
|----------|--------------------|--------|
| P4000-PL | 1.6mm              | 6m     |
| P4000-GB | 1.6mm              | 3m     |
| P4000-GB | 1.6mm              | 3m     |
| P4000-HG | 1.6mm              | 6m     |
| P4000-HG | 1.6mm              | 3m     |

| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 4.20     | 0.44     | 22.36 |
| 500   | 2.10     | 1.77     | 16.30 |
| 750   | 1.40     | 3.98     | 10.46 |
| 1000  | 1.05     | 7.08     | 6.54  |
| 1250  | 0.84     | 11.07    | 4.54  |
| 1500  | 0.70 (2) | 15.94    | 3.35  |
| 1750  | 0.60 (2) | 21.69    | -     |
| 2000  | 0.52 (2) | 28.33    | -     |
| 2250  | 0.47 (2) | 35.86    | -     |
| 2500  | 0.42 (2) | 44.27    | -     |
| 2750  | 0.38 (2) | 53.57    | -     |
| 3000  | 0.35 (2) | 63.57    | -     |

(2) See Note 2 Page 9



|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 138mm <sup>2</sup>                    |
| kg/m  | - | 1.08kg/m                              |
| I x-x | = | 0.008 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 0.729 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 7.6mm                                 |
| I y-y | = | 0.038 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 1.862 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 16.7mm                                |

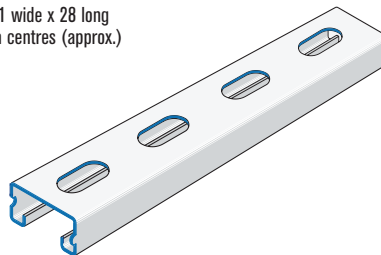


Mass: 1.08kg/m

PL/GB/HG

P4000T

Slots 11 wide x 28 long  
at 50mm centres (approx.)



| Part No.  | Material Thickness | Length |
|-----------|--------------------|--------|
| P4000T-PL | 1.6mm              | 6m     |
| P4000T-GB | 1.6mm              | 3m     |
| P4000T-GB | 1.6mm              | 3m     |
| P4000T-HG | 1.6mm              | 6m     |
| P4000T-HG | 1.6mm              | 3m     |

| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 3.78     | 0.40     | 20.12 |
| 500   | 1.89     | 1.59     | 14.67 |
| 750   | 1.26     | 3.58     | 9.41  |
| 1000  | 0.95     | 6.37     | 5.89  |
| 1250  | 0.76     | 9.96     | 4.09  |
| 1500  | 0.63 (2) | 14.35    | 3.02  |
| 1750  | 0.54 (2) | 19.52    | -     |
| 2000  | 0.47 (2) | 25.50    | -     |
| 2250  | 0.42 (2) | 32.27    | -     |
| 2500  | 0.38 (2) | 39.84    | -     |
| 2750  | 0.34 (2) | 48.21    | -     |
| 3000  | 0.32 (2) | 57.21    | -     |

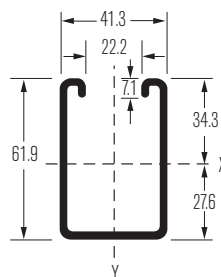
(2) See Note 2 Page 9

# UNISTRUT®

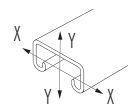
## P5500

P5500

PL/GB/HG



Mass: 3.40kg/m



|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 433mm <sup>2</sup>                    |
| kg/m  | - | 3.40 kg/m                             |
| I x-x | = | 0.197 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 5.730 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 21.3mm                                |
| I y-y | = | 0.131 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 6.328 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 17.4mm                                |

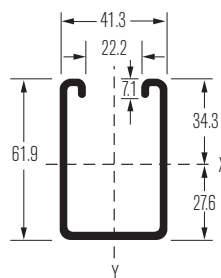
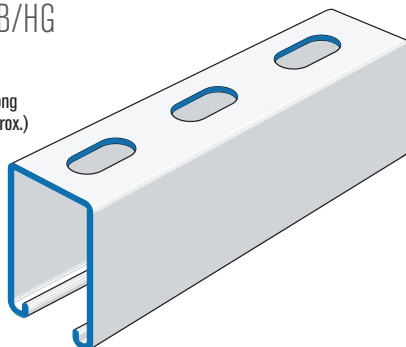
| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 27.04    | 0.14     | 57.03 |
| 500   | 13.84    | 0.57     | 45.91 |
| 750   | 9.23     | 1.29     | 33.78 |
| 1000  | 6.92     | 2.29     | 23.85 |
| 1250  | 5.54     | 3.58     | 17.38 |
| 1500  | 4.61     | 5.15     | 13.76 |
| 1750  | 3.95 (2) | 7.01     | 11.48 |
| 2000  | 3.46 (2) | 9.16     | 9.98  |
| 2250  | 3.08 (2) | 11.59    | 8.72  |
| 2500  | 2.77 (2) | 14.31    | 7.81  |
| 2750  | 2.52 (2) | 17.31    | 7.06  |
| 3000  | 2.31 (2) | 20.61    | 6.43  |

| Part No.  | Material Thickness | Length |
|-----------|--------------------|--------|
| P5500-PL  | 2.5mm              | 6m     |
| P55003-PL | 2.5mm              | 3m     |
| P5500-GB  | 2.5mm              | 6m     |
| P55003-GB | 2.5mm              | 3m     |
| P5500-HG  | 2.5mm              | 6m     |
| P55003-HG | 2.5mm              | 3m     |

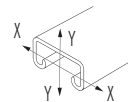
(2) See Note 2 Page 9

P5500T

PL/GB/HG

Slots 14 wide x 28 long  
at 50mm centres (approx.)

Mass: 3.12kg/m



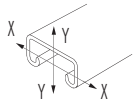
|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 398mm <sup>2</sup>                    |
| kg/m  | - | 3.12kg/m                              |
| I x-x | = | 0.170 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 5.322 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 20.7mm                                |
| I y-y | = | 0.130 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 6.300 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 18.1mm                                |

| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 24.34    | 0.13     | 51.33 |
| 500   | 12.46    | 0.51     | 41.32 |
| 750   | 8.31     | 1.16     | 30.40 |
| 1000  | 6.23     | 2.06     | 21.47 |
| 1250  | 4.99     | 3.22     | 15.64 |
| 1500  | 4.15     | 4.64     | 12.38 |
| 1750  | 3.56 (2) | 6.31     | 10.33 |
| 2000  | 3.11 (2) | 8.24     | 8.90  |
| 2250  | 2.77 (2) | 10.43    | 7.85  |
| 2500  | 2.49 (2) | 12.88    | 7.03  |
| 2750  | 2.27 (2) | 15.58    | 6.35  |
| 3000  | 2.08 (2) | 18.55    | 5.79  |

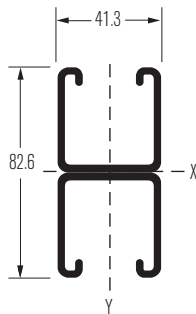
| Part No.   | Material Thickness | Length |
|------------|--------------------|--------|
| P5500T-PL  | 2.5mm              | 6m     |
| P55003T-PL | 2.5mm              | 3m     |
| P5500T-GB  | 2.5mm              | 6m     |
| P55003T-GB | 2.5mm              | 3m     |
| P5500T-HG  | 2.5mm              | 6m     |
| P55003T-HG | 2.5mm              | 3m     |

(2) See Note 2 Page 9

# UNISTRUT® COMBINATION STRUTS



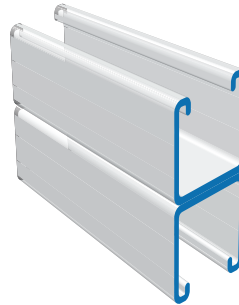
A - 660mm<sup>2</sup>  
kg/m - 5.18kg/m  
I<sub>x-x</sub> = 0.318 10<sup>6</sup>mm<sup>4</sup>  
Z<sub>x-x</sub> = 7.711 10<sup>3</sup>mm<sup>3</sup>  
r<sub>x-x</sub> = 22.0mm  
I<sub>y-y</sub> = 0.184 10<sup>6</sup>mm<sup>4</sup>  
Z<sub>y-y</sub> = 8.902 10<sup>3</sup>mm<sup>3</sup>  
r<sub>y-y</sub> = 16.7mm



Mass: 5.18kg/m

PL/GB/HG

P1001



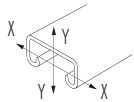
| Part No. | Material Thickness | Length |
|----------|--------------------|--------|
| P1001-PL | 2.5mm              | 6m     |
| P1001-GB | 2.5mm              | 6m     |
| P1001-HG | 2.5mm              | 6m     |

| L(mm) | Fmax(kN)  | f | fmax(mm) | F(kN) |
|-------|-----------|---|----------|-------|
| 250   | 25.64 (1) |   | 0.08     | 97.71 |
| 500   | 19.58     |   | 0.50     | 94.09 |
| 750   | 13.06*    |   | 1.13     | 88.35 |
| 1000  | 9.79      |   | 2.00     | 80.90 |
| 1250  | 7.83      |   | 3.13     | 72.23 |
| 1500  | 6.53      |   | 4.50     | 62.89 |
| 1750  | 5.60 (2)  |   | 6.13     | 53.40 |
| 2000  | 4.90 (2)  |   | 8.01     | 44.21 |
| 2250  | 4.35 (2)  |   | 10.13    | 35.62 |
| 2500  | 3.92 (2)  |   | 12.51    | 28.85 |
| 2750  | 3.56 (2)  |   | 15.14    | 23.85 |
| 3000  | 3.26 (2)  |   | 18.02    | 20.04 |

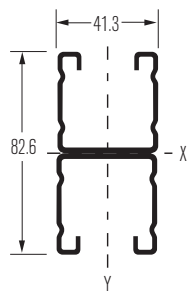
\*Limited by weldshear

(1) See Note 1 Page 9

(2) See Note 2 Page 9



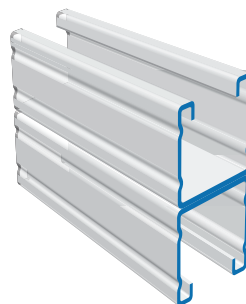
A - 462mm<sup>2</sup>  
kg/m - 3.58 kg/m  
I<sub>x-x</sub> = 0.261 10<sup>6</sup>mm<sup>4</sup>  
Z<sub>x-x</sub> = 6.321 10<sup>3</sup>mm<sup>3</sup>  
r<sub>x-x</sub> = 23.8mm  
I<sub>y-y</sub> = 0.131 10<sup>6</sup>mm<sup>4</sup>  
Z<sub>y-y</sub> = 6.367 10<sup>3</sup>mm<sup>3</sup>  
r<sub>y-y</sub> = 16.9mm



Mass: 3.58kg/m

PL/GB/HG

P2001



| Part No. | Material Thickness | Length |
|----------|--------------------|--------|
| P2001-PL | 1.6mm              | 6m     |
| P2001-GB | 1.6mm              | 6m     |
| P2001-HG | 1.6mm              | 6m     |

| L(mm) | Fmax(kN)  | f | fmax(mm) | F(kN) |
|-------|-----------|---|----------|-------|
| 250   | 11.78 (1) |   | 0.05     | 70.84 |
| 500   | 11.78     |   | 0.37     | 68.18 |
| 750   | 11.09     |   | 1.17     | 63.96 |
| 1000  | 8.32      |   | 2.07     | 58.50 |
| 1250  | 6.65      |   | 3.24     | 52.15 |
| 1500  | 5.54      |   | 4.67     | 45.32 |
| 1750  | 4.75 (2)  |   | 6.35     | 38.39 |
| 2000  | 3.48 (2)  |   | 4.63     | 31.77 |
| 2250  | 3.70 (2)  |   | 10.50    | 25.48 |
| 2500  | 3.33 (2)  |   | 12.96    | 20.64 |
| 2750  | 3.02 (2)  |   | 15.68    | 17.06 |
| 3000  | 2.77 (2)  |   | 18.66    | 14.33 |

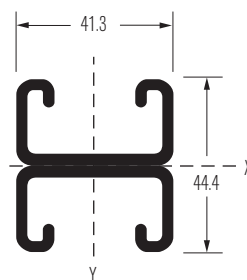
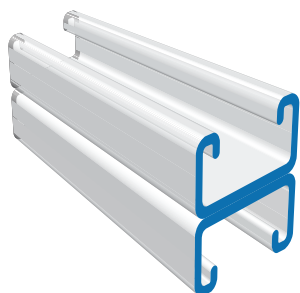
(1) See Note 1 Page 9

(2) See Note 2 Page 9

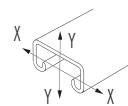
# UNISTRUT® COMBINATION STRUTS

P3301

PL/GB/HG



Mass: 3.64kg/m



|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 465mm <sup>2</sup>                    |
| kg/m  | - | 3.64kg/m                              |
| I x-x | = | 0.063 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 2.841 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 11.6mm                                |
| I y-y | = | 0.110 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 5.329 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 15.4mm                                |

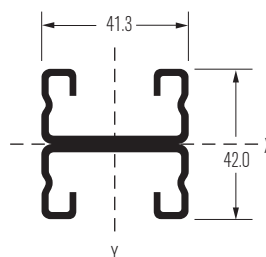
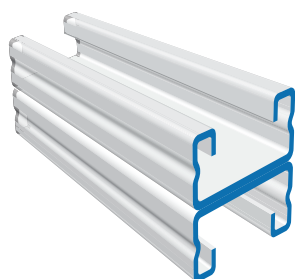
| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 15.58    | 0.25     | 73.20 |
| 500   | 7.79     | 1.01     | 67.32 |
| 750   | 5.19     | 2.26     | 58.55 |
| 1000  | 3.90     | 4.02     | 48.16 |
| 1250  | 3.12     | 6.28     | 37.47 |
| 1500  | 2.60     | 9.05     | 27.50 |
| 1750  | 2.23 (2) | 12.32    | 20.21 |
| 2000  | 1.95 (2) | 16.09    | 15.47 |
| 2250  | 1.73 (2) | 20.36    | 12.22 |
| 2500  | 1.56 (2) | 25.13    | -     |
| 2750  | 1.42 (2) | 30.41    | -     |
| 3000  | 1.30 (2) | 36.19    | -     |

| Part No. | Material Thickness | Length |
|----------|--------------------|--------|
| P3301-PL | 2.5mm              | 6m     |
| P3301-GB | 2.5mm              | 6m     |
| P3301-HG | 2.5mm              | 6m     |

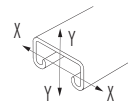
(2) See Note 2 Page 9

P4001

PL/GB/HG



Mass: 2.52kg/m



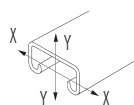
|       |   |                                       |
|-------|---|---------------------------------------|
| A     | - | 320mm <sup>2</sup>                    |
| kg/m  | - | 2.52 kg/m                             |
| I x-x | = | 0.044 10 <sup>6</sup> mm <sup>4</sup> |
| Z x-x | = | 2.082 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 11.7mm                                |
| I y-y | = | 0.078 10 <sup>6</sup> mm <sup>4</sup> |
| Z y-y | = | 3.764 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 15.6mm                                |

| L(mm) | Fmax(kN) | fmax(mm) | F(kN) |
|-------|----------|----------|-------|
| 250   | 10.39    | 0.24     | 49.05 |
| 500   | 5.55     | 1.03     | 45.24 |
| 750   | 3.70     | 2.33     | 39.54 |
| 1000  | 2.78     | 4.14     | 32.74 |
| 1250  | 2.22     | 6.46     | 25.69 |
| 1500  | 1.85 (2) | 9.31     | 19.06 |
| 1750  | 1.59 (2) | 12.67    | 14.00 |
| 2000  | 1.39 (2) | 16.54    | 10.72 |
| 2250  | 1.23 (2) | 20.94    | 8.47  |
| 2500  | 1.11 (2) | 25.85    | -     |
| 2750  | 1.01 (2) | 31.28    | -     |
| 3000  | 0.93 (2) | 37.22    | -     |

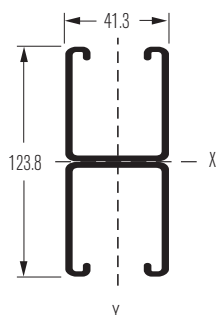
| Part No. | Material Thickness | Length |
|----------|--------------------|--------|
| P4001-PL | 1.6mm              | 6m     |
| P4001-GB | 1.6mm              | 6m     |
| P4001-HG | 1.6mm              | 6m     |

(2) See Note 2 Page 9

# UNISTRUT® COMBINATION STRUTS



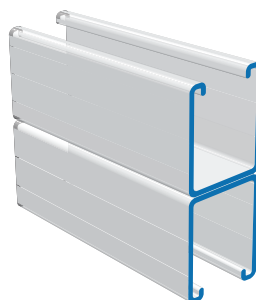
|       |   |                                        |
|-------|---|----------------------------------------|
| A     | - | 867mm <sup>2</sup>                     |
| kg/m  | - | 6.80kg/m                               |
| I x-x | = | 1.052 10 <sup>6</sup> mm <sup>4</sup>  |
| Z x-x | = | 16.990 10 <sup>3</sup> mm <sup>3</sup> |
| r x-x | = | 34.8mm                                 |
| I y-y | = | 0.261 10 <sup>6</sup> mm <sup>4</sup>  |
| Z y-y | = | 12.662 10 <sup>3</sup> mm <sup>3</sup> |
| r y-y | = | 17.4mm                                 |



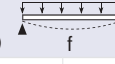
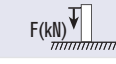
Mass: 6.80kg/m

PL/GB/HG

P5501



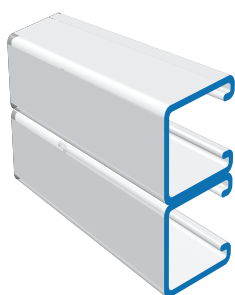
| Part No. | Material Thickness | Length |
|----------|--------------------|--------|
| P5501-PL | 2.5mm              | 6m     |
| P5501-GB | 2.5mm              | 6m     |
| P5501-HG | 2.5mm              | 6m     |

|  |  |  |          |       |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|-------|
| L(mm)                                                                             | Fmax(kN)                                                                           | f                                                                                   | fmax(mm) | F(kN) |
| 250                                                                               | 27.04 (1)                                                                          | 0.03                                                                                | 122.16   |       |
| 500                                                                               | 27.04 (1)                                                                          | 0.21                                                                                | 118.17   |       |
| 750                                                                               | 27.04                                                                              | 0.71                                                                                | 111.82   |       |
| 1000                                                                              | 20.50                                                                              | 1.27                                                                                | 103.50   |       |
| 1250                                                                              | 16.40                                                                              | 1.98                                                                                | 93.71    |       |
| 1500                                                                              | 13.67                                                                              | 2.86                                                                                | 82.98    |       |
| 1750                                                                              | 11.72                                                                              | 3.89                                                                                | 71.88    |       |
| 2000                                                                              | 10.25                                                                              | 5.08                                                                                | 60.91    |       |
| 2250                                                                              | 9.11 (2)                                                                           | 6.43                                                                                | 50.48    |       |
| 2500                                                                              | 8.20 (2)                                                                           | 7.93                                                                                | 41.04    |       |
| 2750                                                                              | 7.46 (2)                                                                           | 9.60                                                                                | 33.92    |       |
| 3000                                                                              | 6.83 (2)                                                                           | 11.42                                                                               | 28.50    |       |

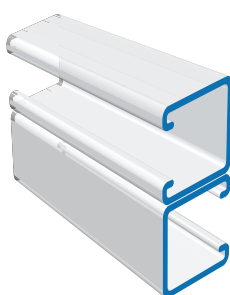
(1) See Note 1 Page 9

(2) See Note 2 Page 9

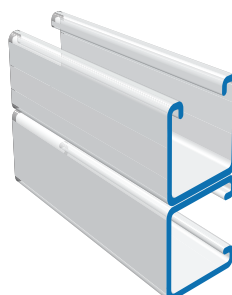
## OPTIONAL COMBINATIONS



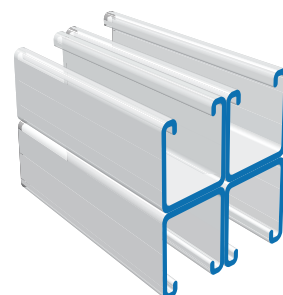
P1001A



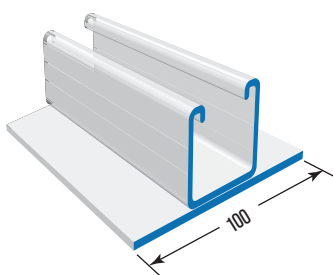
P1001B



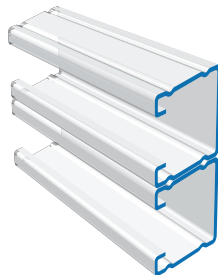
P1001C



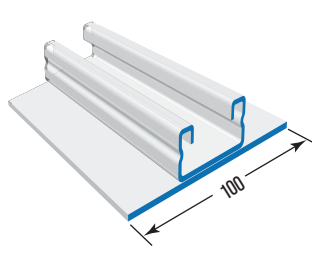
P1001C 41



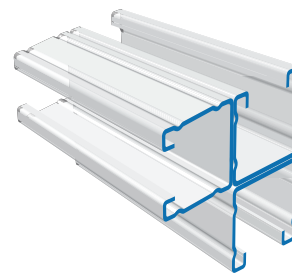
P1003



P2001A



P4002-1

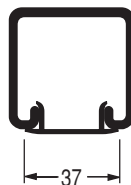
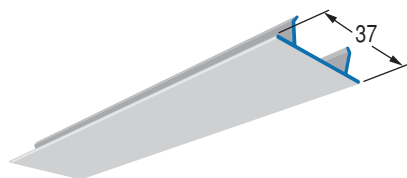


P2001C3



# UNISTRUT® STRUT ACCESSORIES

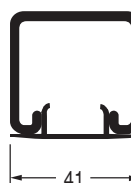
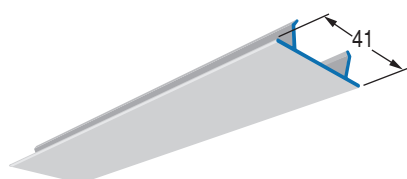
## P1184 – PLASTIC CLOSURE STRIP (UV STABILISED)



**Standard Length:** 3m

**Mass:** 0.11kg/m

## P1184A – ALUMINUM CLOSURE STRIP



**Standard Length:** 3m

**Mass:** 0.18kg/m

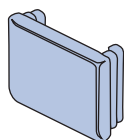
## STRUT END CAPS – PLASTIC, UV STABILISED

### P2240



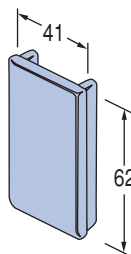
For P1000® & P2000 Strut  
**Mass:** 0.70kg/100

### P4240

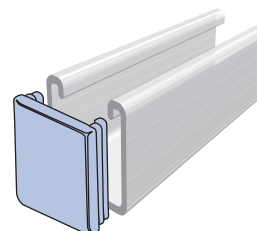


For P3300 & P4000 Strut  
**Mass:** 0.40kg/100

### P5580

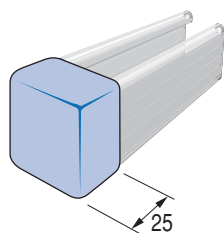


For P5500 Strut  
**Mass:** 1.2kg/100



Typical Installation

## P2860-10 – STRUT END CAPS – PLASTIC



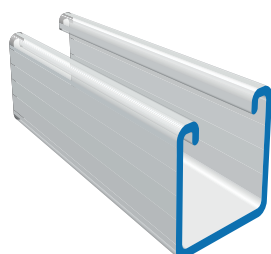
Fits P1000® & P2000 Strut  
**Mass:** 1.54kg/100

**Note:** Caps struts provide a protective covering on protruding Struts to guard against personal injury or damage to clothing. They slip easily over the ends of strut.  
Available: White or black only.

# UNISTRUT® STRUT - SPECIAL METALS

## STAINLESS 316 STRUT

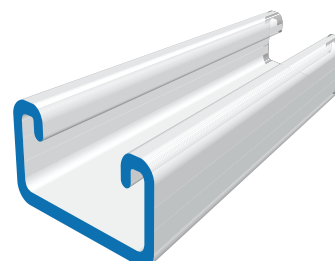
### P1000-SS



**P1000®**  
41.3 x 41.3  
2.5mm thick

| Part No. | Material Length | Material Thickness | Mass kg/m |
|----------|-----------------|--------------------|-----------|
| P1000-SS | 6m              | 2.5mm              | 2.76      |
| P3300-SS | 6m              | 2.5mm              | 1.96      |

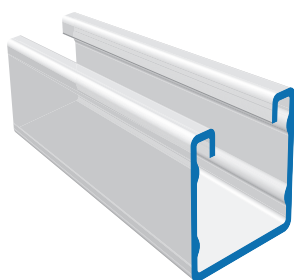
### P3300-SS



**P3300**  
41.3 x 22.2  
2.5mm thick

## ALUMINIUM STRUT

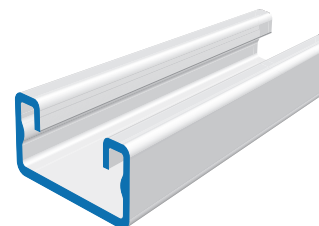
### P2000-AL



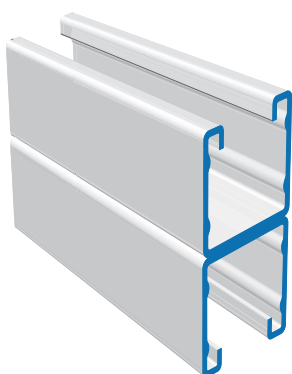
**P2000**  
41.3 x 41.3

| Part No. | Material Length | Mass kg/m |
|----------|-----------------|-----------|
| P2000-AL | 6m              | 0.77mm    |
| P4000-AL | 6m              | 0.58mm    |

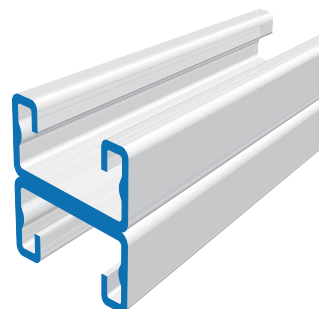
### P4000-AL



**P4000**  
41.3 x 20.6



**P2001**  
41.3 x 82.6



**P4001**  
41.3 x 41.3

## LOADING DATA

Approximate beam load capacities for Strut sections may be obtained from the engineering data sections in this catalogue. Multiply data by the following percentages:

| Material           | Load Factor |
|--------------------|-------------|
| Extruded Aluminium | 33%         |

Nut pullout strength and resistance to slip for sections may be obtained from the engineering data sections in this catalogue. Multiply data by the following percentages:

| Material           | Slip Percentage Factor | Pullout Percentage Factor |
|--------------------|------------------------|---------------------------|
| Extruded Aluminium | 75%                    | 50%                       |

UNISTRUT® FITTINGS: Some fittings, as shown in this catalogue can be supplied in aluminium on special order.

# UNISTRUT®

## BEAM AND COLUMN LOADS

### Notes to Table

Note 1: Loads are governed by shear or web crippling.

Note 2: For uniform beam working loads asymmetric sections are required to be adequately braced to prevent rotation and twist.

The table should be read in conjunction with 'Notes on derivation of Structural Data' page 9, and 'How to use Load Tables' pages 52-53.

### BEAMS & COLUMNS - P1000® STRUT & COMBINATION

| Beam Span or Column Unsupported Height mm | Section Number | Uniform Beam Working Load kN | Deflection at Uniform Working Load mm | Max. Loading of Column kN | Beam Span or Column Unsupported Height mm | Section Number | Uniform Beam Working Load kN | Deflection at Uniform Working Load mm | Max. Loading of Column kN |
|-------------------------------------------|----------------|------------------------------|---------------------------------------|---------------------------|-------------------------------------------|----------------|------------------------------|---------------------------------------|---------------------------|
| 250                                       | P1000          | 14.83                        | 0.22                                  | 45.51                     | 1750                                      | P1000          | 2.12 (2)                     | 10.71                                 | 11.00                     |
|                                           | P1001          | 25.64 (1)                    | 0.08                                  | 97.71                     |                                           | P1001          | 5.60 (2)                     | 6.13                                  | 53.40                     |
|                                           | P1001C41       | 25.64 (1)                    | 0.04                                  | 195.70                    |                                           | P1001C41       | 12.09                        | 6.13                                  | 123.36                    |
|                                           | P1003          | 17.46                        | 0.15                                  | 78.01                     |                                           | P1003          | 2.49                         | 7.25                                  | 37.16                     |
| 500                                       | P1000          | 7.42                         | 0.87                                  | 36.84                     | 2000                                      | P1000          | 1.85 (2)                     | 13.99                                 | 9.35                      |
|                                           | P1001          | 19.58                        | 0.50                                  | 94.09                     |                                           | P1001          | 4.90 (2)                     | 8.01                                  | 44.21                     |
|                                           | P1001C41       | 25.64                        | 0.30                                  | 188.76                    |                                           | P1001C41       | 10.58                        | 8.01                                  | 109.59                    |
|                                           | P1003          | 8.73                         | 0.59                                  | 74.48                     |                                           | P1003          | 2.18                         | 9.48                                  | 29.41                     |
| 750                                       | P1000          | 4.94                         | 1.97                                  | 28.22                     | 2250                                      | P1000          | 1.65 (2)                     | 17.70                                 | 8.05                      |
|                                           | P1001          | 13.06                        | 1.13                                  | 88.35                     |                                           | P1001          | 4.35 (2)                     | 10.13                                 | 35.62                     |
|                                           | P1001C41       | 25.64                        | 1.02                                  | 178.34                    |                                           | P1001C41       | 9.41                         | 10.13                                 | 96.41                     |
|                                           | P1003          | 5.82                         | 1.33                                  | 68.94                     |                                           | P1003          | 1.94                         | 11.99                                 | 23.24                     |
| 1000                                      | P1000          | 3.71                         | 3.50                                  | 21.44                     | 2500                                      | P1000          | 1.48 (2)                     | 21.85                                 | 7.01                      |
|                                           | P1001          | 9.79                         | 2.00                                  | 80.90                     |                                           | P1001          | 3.92 (2)                     | 12.51                                 | 28.85                     |
|                                           | P1001C41       | 21.16                        | 2.00                                  | 165.65                    |                                           | P1001C41       | 8.47 (2)                     | 12.51                                 | 83.93                     |
|                                           | P1003          | 4.36                         | 2.37                                  | 61.87                     |                                           | P1003          | 1.75                         | 14.81                                 | 18.82                     |
| 1250                                      | P1000          | 2.97                         | 5.46                                  | 16.42                     | 2750                                      | P1000          | 1.35 (2)                     | 26.44                                 | 6.14                      |
|                                           | P1001          | 7.83                         | 3.13                                  | 72.23                     |                                           | P1001          | 3.56 (2)                     | 15.14                                 | 23.85                     |
|                                           | P1001C41       | 16.93                        | 3.13                                  | 151.78                    |                                           | P1001C41       | 7.70 (2)                     | 15.13                                 | 72.11                     |
|                                           | P1003          | 3.49                         | 3.70                                  | 53.84                     |                                           | P1003          | 3.56                         | 15.14                                 | 23.85                     |
| 1500                                      | P1000          | 2.47                         | 7.87                                  | 13.20                     | 3000                                      | P1000          | 1.24 (2)                     | 31.47                                 | 0.00                      |
|                                           | P1001          | 6.53                         | 4.50                                  | 62.89                     |                                           | P1001          | 3.26 (2)                     | 18.02                                 | 20.04                     |
|                                           | P1001C41       | 14.11                        | 4.50                                  | 137.52                    |                                           | P1001C41       | 7.05 (2)                     | 18.01                                 | 62.18                     |
|                                           | P1003          | 2.91                         | 5.33                                  | 45.43                     |                                           | P1003          | 1.45 (2)                     | 21.32                                 | 0.00                      |

### ELEMENTS OF SECTION - P1000® STRUT & COMBINATION

| Part No. | Mass kg/m | Area of Section mm <sup>2</sup> | I 10 <sup>6</sup> mm <sup>4</sup> | Axis XX Z 10 <sup>3</sup> mm <sup>3</sup> | r mm | I 10 <sup>6</sup> mm <sup>4</sup> | Axis YY Z 10 <sup>3</sup> mm <sup>3</sup> | r mm |
|----------|-----------|---------------------------------|-----------------------------------|-------------------------------------------|------|-----------------------------------|-------------------------------------------|------|
| P1000    | 2.59      | 330                             | 0.069                             | 2.920                                     | 14.5 | 0.092                             | 4.451                                     | 16.7 |
| P1001    | 5.18      | 660                             | 0.318                             | 7.711                                     | 22.0 | 0.184                             | 8.902                                     | 16.7 |
| P1001C41 | 10.36     | 1322                            | 0.688                             | 16.670                                    | 22.8 | 0.931                             | 22.546                                    | 26.5 |
| P1003    | 4.50      | 580                             | 0.120                             | 3.771                                     | 14.4 | 0.300                             | 6.007                                     | 22.8 |

#### Note:

I - Moment of Inertia

Z - Section Modulus

r - Radius of Gyration

For Slip and Pullout Performance details refer to this Tab Section. (page 49)

# UNISTRUT®

## BEAM AND COLUMN LOADS

### BEAM & COLUMN - P2000 STRUT & COMBINATION

| Beam Span or Column Unsupported Height mm | Section Number | Uniform Beam Working Load kN | Deflection at Uniform Working Load mm | Max. Loading of Column kN | Beam Span or Column Unsupported Height mm | Section Number | Uniform Beam Working Load kN | Deflection at Uniform Working Load mm | Max. Loading of Column kN |
|-------------------------------------------|----------------|------------------------------|---------------------------------------|---------------------------|-------------------------------------------|----------------|------------------------------|---------------------------------------|---------------------------|
| 250                                       | P2000          | 10.30                        | 0.20                                  | 32.92                     | 1750                                      | P2000          | 1.73 (2)                     | 11.54                                 | 5.56                      |
|                                           | P2001          | 11.78 (1)                    | 0.05                                  | 70.84                     |                                           | P2001          | 4.75 (2)                     | 6.35                                  | 38.39                     |
|                                           | P2001C3        | 11.77 (1)                    | 0.03                                  | 106.31                    |                                           | P2001C3        | 6.24 (2)                     | 5.53                                  | 59.16                     |
| 500                                       | P2000          | 6.06                         | 0.94                                  | 26.55                     | 2000                                      | P2000          | 1.27 (2)                     | 8.41                                  | 4.66                      |
|                                           | P2001          | 11.78                        | 0.37                                  | 68.18                     |                                           | P2001          | 3.48 (2)                     | 4.63                                  | 31.77                     |
|                                           | P2001C3        | 11.77 (1)                    | 0.24                                  | 101.69                    |                                           | P2001C3        | 4.01 (2)                     | 3.97                                  | 58.18                     |
| 750                                       | P2000          | 4.04                         | 2.12                                  | 19.21                     | 2250                                      | P2000          | 1.35 (2)                     | 19.07                                 | 4.02                      |
|                                           | P2001          | 11.09                        | 1.17                                  | 63.96                     |                                           | P2001          | 3.70 (2)                     | 10.50                                 | 25.48                     |
|                                           | P2001C3        | 11.77 (2)                    | 0.24                                  | 94.74                     |                                           | P2001C3        | 4.85 (2)                     | 9.13                                  | 43.10                     |
| 1000                                      | P2000          | 3.03                         | 3.77                                  | 12.91                     | 2500                                      | P2000          | 1.21 (2)                     | 23.55                                 | 3.53                      |
|                                           | P2001          | 8.32                         | 2.07                                  | 58.50                     |                                           | P2001          | 3.33 (2)                     | 12.96                                 | 20.64                     |
|                                           | P2001C3        | 10.91                        | 1.80                                  | 86.31                     |                                           | P2001C3        | 4.37 (2)                     | 11.28                                 | 36.13                     |
| 1250                                      | P2000          | 2.42                         | 5.89                                  | 9.03                      | 2750                                      | P2000          | 1.10 (2)                     | 28.49                                 | 3.14                      |
|                                           | P2001          | 6.65                         | 3.24                                  | 52.15                     |                                           | P2001          | 3.02 (2)                     | 15.68                                 | 17.06                     |
|                                           | P2001C3        | 8.73 (2)                     | 2.82                                  | 77.21                     |                                           | P2001C3        | 3.97 (2)                     | 13.64                                 | 30.72                     |
| 1500                                      | P2000          | 2.02                         | 8.48                                  | 6.89                      | 3000                                      | P2000          | 1.01 (2)                     | 33.91                                 | 2.82                      |
|                                           | P2001          | 5.54                         | 4.67                                  | 45.32                     |                                           | P2001          | 2.77 (2)                     | 18.66                                 | 14.33                     |
|                                           | P2001C3        | 7.28 (2)                     | 4.06                                  | 68.03                     |                                           | P2001C3        | 3.64 (2)                     | 16.24                                 | 26.44                     |

**Note:**

The table should be read in conjunction with 'Notes on Derivation of Structural Data' (page 9) and 'How to use Load Tables' (pages 52-53) in this Tab Section.

### ELEMENTS OF SECTION - P2000 STRUT & COMBINATION

| Part No. | Mass kg/m | Area of Section mm <sup>2</sup> | Axis XX              |                      |      | Axis YY              |                      |      |
|----------|-----------|---------------------------------|----------------------|----------------------|------|----------------------|----------------------|------|
|          |           |                                 | I 106mm <sup>4</sup> | Z 103mm <sup>3</sup> | r mm | I 106mm <sup>4</sup> | Z 103mm <sup>3</sup> | r mm |
| P2000    | 1.79      | 228                             | 0.052                | 2.297                | 15.2 | 0.065                | 3.143                | 16.9 |
| P2001    | 3.58      | 462                             | 0.261                | 6.321                | 23.8 | 0.131                | 6.367                | 16.9 |
| P2001C3  | 5.37      | 695                             | 0.394                | 8.302                | 23.8 | 0.418                | 8.410                | 24.5 |

**Note:**

I - Moment of Inertia

Z - Section Modulus

r - Radius of Gyration

For Slip and Pullout Performance details refer to this Tab Section. (page 49)

## BEAM AND COLUMN LOADS

## BEAMS &amp; COLUMNS - P3300 STRUT &amp; COMBINATION

| Beam Span or Column Unsupported Height mm | Section Number | Uniform Beam Working Load kN | Deflection at Uniform Working Load mm | Max. Loading of Column kN | Beam Span or Column Unsupported Height mm | Section Number | Uniform Beam Working Load kN | Deflection at Uniform Working Load mm | Max. Loading of Column kN |
|-------------------------------------------|----------------|------------------------------|---------------------------------------|---------------------------|-------------------------------------------|----------------|------------------------------|---------------------------------------|---------------------------|
| 250                                       | P3300          | 5.52                         | 0.42                                  | 34.88                     | 1750                                      | P3300          | 0.79 (2)                     | 20.63                                 | 0.00                      |
|                                           | P3301          | 15.58                        | 0.25                                  | 73.20                     |                                           | P3301          | 2.23 (2)                     | 12.32                                 | 20.21                     |
| 500                                       | P3300          | 2.76                         | 1.68                                  | 27.76                     | 2000                                      | P3300          | 0.69 (2)                     | 26.95                                 | 0.00                      |
|                                           | P3301          | 7.79                         | 1.01                                  | 67.32                     |                                           | P3301          | 1.95 (2)                     | 16.09                                 | 15.47                     |
| 750                                       | P3300          | 1.84                         | 3.79                                  | 19.42                     | 2250                                      | P3300          | 0.61 (2)                     | 34.11                                 | 0.00                      |
|                                           | P3301          | 5.19                         | 2.26                                  | 58.55                     |                                           | P3301          | 1.73 (2)                     | 20.36                                 | 12.22                     |
| 1000                                      | P3300          | 1.38                         | 6.74                                  | 12.08                     | 2500                                      | P3300          | 0.55 (2)                     | 42.11                                 | 0.00                      |
|                                           | P3301          | 3.90                         | 4.02                                  | 48.16                     |                                           | P3301          | 1.56 (2)                     | 25.13                                 | 0.00                      |
| 1250                                      | P3300          | 1.10                         | 10.53                                 | 7.90                      | 2750                                      | P3300          | 0.50 (2)                     | 50.95                                 | 0.00                      |
|                                           | P3301          | 3.12                         | 6.28                                  | 37.47                     |                                           | P3301          | 1.42 (2)                     | 30.41                                 | 0.00                      |
| 1500                                      | P3300          | 0.92                         | 15.16                                 | 5.56                      | 3000                                      | P3300          | 0.46 (2)                     | 60.63                                 | 0.00                      |
|                                           | P3301          | 2.60                         | 9.05                                  | 27.50                     |                                           | P3301          | 1.30 (2)                     | 36.19                                 | 0.00                      |

**Note:**

The table should be read in conjunction with 'Notes on Derivation of Structural Data' (page 9) and 'How to use Load Tables' (pages 52-53) in this Tab Section.

## ELEMENTS OF SECTION - P3300 STRUT &amp; COMBINATION

| Part No. | Mass kg/m | Area of Section mm <sup>2</sup> | Axis XX              |                      |      | Axis YY              |                      |      |
|----------|-----------|---------------------------------|----------------------|----------------------|------|----------------------|----------------------|------|
|          |           |                                 | I 106mm <sup>4</sup> | Z 103mm <sup>3</sup> | r mm | I 106mm <sup>4</sup> | Z 103mm <sup>3</sup> | r mm |
| P3300    | 1.82      | 232                             | 0.013                | 0.999                | 7.6  | 0.055                | 2.661                | 15.4 |
| P3301    | 3.64      | 465                             | 0.063                | 2.841                | 11.6 | 0.110                | 5.329                | 15.4 |

**Note:**

I - Moment of Inertia

Z - Section Modulus

r - Radius of Gyration

For Slip and Pullout Performance details refer to this Tab Section. (page 49)

# UNISTRUT®

## BEAM AND COLUMN LOADS

### BEAM & COLUMN - P4000 STRUT & COMBINATION

| Beam Span or Column Unsupported Height mm | Section Number | Uniform Beam Working Load kN | Deflection at Uniform Working Load mm | Max. Loading of Column kN | Beam Span or Column Unsupported Height mm | Section Number | Uniform Beam Working Load kN | Deflection at Uniform Working Load mm | Max. Loading of Column kN |
|-------------------------------------------|----------------|------------------------------|---------------------------------------|---------------------------|-------------------------------------------|----------------|------------------------------|---------------------------------------|---------------------------|
| 250                                       | P4000          | 4.20                         | 0.44                                  | 22.36                     | 1750                                      | P4000          | 0.60 (2)                     | 21.69                                 | 0.00                      |
|                                           | P4001          | 10.39                        | 0.24                                  | 49.05                     |                                           | P4001          | 1.59 (2)                     | 12.67                                 | 14.00                     |
|                                           | P4003          | 11.16 (1)                    | 0.06                                  | 73.53                     |                                           | P4003          | 4.30 (2)                     | 8.35                                  | 26.45                     |
|                                           | P4002-1        | 4.71                         | 0.25                                  | 51.41                     |                                           | P4002-1        | 0.67                         | 12.10                                 | 0.00                      |
| 500                                       | P4000          | 2.10                         | 1.77                                  | 16.30                     | 2000                                      | P4000          | 0.52 (2)                     | 28.33                                 | 0.00                      |
|                                           | P4001          | 5.55                         | 1.03                                  | 45.24                     |                                           | P4001          | 1.39 (2)                     | 16.54                                 | 10.72                     |
|                                           | P4003          | 11.16                        | 0.51                                  | 68.80                     |                                           | P4003          | 3.76 (2)                     | 10.90                                 | 20.25                     |
|                                           | P4002-1        | 2.35                         | 0.99                                  | 42.12                     |                                           | P4002-1        | 0.59                         | 15.81                                 | 0.00                      |
| 750                                       | P4000          | 1.40                         | 3.98                                  | 10.46                     | 2250                                      | P4000          | 0.47 (2)                     | 35.86                                 | 0.00                      |
|                                           | P4001          | 3.70                         | 2.33                                  | 39.54                     |                                           | P4001          | 1.23 (2)                     | 20.94                                 | 8.47                      |
|                                           | P4003          | 10.02                        | 1.53                                  | 62.23                     |                                           | P4003          | 3.34 (2)                     | 13.80                                 | 16.01                     |
|                                           | P4002-1        | 2.35                         | 0.99                                  | 42.12                     |                                           | P4002-1        | 0.52                         | 20.01                                 | 0.00                      |
| 1000                                      | P4000          | 1.05                         | 7.08                                  | 6.54                      | 2500                                      | P4000          | 0.42 (2)                     | 44.27                                 | 0.00                      |
|                                           | P4001          | 2.78                         | 4.14                                  | 32.74                     |                                           | P4001          | 1.11 (2)                     | 25.85                                 | 0.00                      |
|                                           | P4003          | 7.52                         | 2.73                                  | 53.62                     |                                           | P4003          | 3.01 (2)                     | 17.04                                 | 12.97                     |
|                                           | P4002-1        | 1.18                         | 3.95                                  | 18.99                     |                                           | P4002-1        | 0.47                         | 24.70                                 | 0.00                      |
| 1250                                      | P4000          | 0.84                         | 11.07                                 | 4.54                      | 2750                                      | P4000          | 0.38 (2)                     | 53.57                                 | 0.00                      |
|                                           | P4001          | 2.22                         | 6.46                                  | 25.69                     |                                           | P4001          | 1.01 (2)                     | 31.28                                 | 0.00                      |
|                                           | P4003          | 6.01                         | 4.26                                  | 44.23                     |                                           | P4003          | 2.73 (2)                     | 20.61                                 | 0.00                      |
|                                           | P4002-1        | 0.94                         | 6.18                                  | 12.16                     |                                           | P4002-1        | 0.43                         | 29.89                                 | 0.00                      |
| 1500                                      | P4000          | 0.70 (2)                     | 15.94                                 | 3.35                      | 3000                                      | P4000          | 0.35 (2)                     | 63.57                                 | 0.00                      |
|                                           | P4001          | 1.85 (2)                     | 9.31                                  | 19.06                     |                                           | P4001          | 0.93 (2)                     | 37.22                                 | 0.00                      |
|                                           | P4003          | 5.01                         | 6.13                                  | 34.96                     |                                           | P4003          | 2.51 (2)                     | 24.53                                 | 0.00                      |
|                                           | P4002-1        | 0.78                         | 8.89                                  | 0.00                      |                                           | P4002-1        | 0.39                         | 35.57                                 | 0.00                      |

**Note:**

The table should be read in conjunction with 'Notes on Derivation of Structural Data' (page 9) and 'How to use Load Tables' (pages 52-53) in this Tab Section.

### ELEMENTS OF SECTION - P4000 STRUT & COMBINATION

| Part No. | Mass kg/m | Area of Section mm <sup>2</sup> | Axis XX              |                      |      | Axis YY              |                      |      |
|----------|-----------|---------------------------------|----------------------|----------------------|------|----------------------|----------------------|------|
|          |           |                                 | I 106mm <sup>4</sup> | Z 103mm <sup>3</sup> | r mm | I 106mm <sup>4</sup> | Z 103mm <sup>3</sup> | r mm |
| P4000    | 1.26      | 160                             | 0.010                | 0.786                | 78   | 0.039                | 1.880                | 15.6 |
| P4001    | 2.52      | 320                             | 0.044                | 2.082                | 11.7 | 0.078                | 3.764                | 15.6 |
| P4002-1  | 3.22      | 410                             | 0.019                | 1.036                | 6.9  | 0.247                | 4.946                | 24.6 |
| P4003    | 3.78      | 480                             | 0.180                | 5.636                | 19.3 | 0.083                | 4.002                | 13.1 |

**Note:**

I - Moment of Inertia

Z - Section Modulus

r - Radius of Gyration

For Slip and Pullout Performance details refer to this Tab Section. (page 49)

# UNISTRUT®

## BEAM AND COLUMN LOADS

### BEAM & COLUMN - P5500 STRUT & COMBINATION

| Beam Span or Column Unsupported Height mm | Section Number | Uniform Beam Working Load kN | Deflection at Uniform Working Load mm | Max. Loading of Column kN | Beam Span or Column Unsupported Height mm | Section Number | Uniform Beam Working Load kN | Deflection at Uniform Working Load mm | Max. Loading of Column kN |
|-------------------------------------------|----------------|------------------------------|---------------------------------------|---------------------------|-------------------------------------------|----------------|------------------------------|---------------------------------------|---------------------------|
| 250                                       | P5500          | 27.04                        | 0.14                                  | 57.03                     | 2250                                      | P5500          | 3.08 (2)                     | 11.59                                 | 8.72                      |
|                                           | P5501          | 27.04 (1)                    | 0.03                                  | 122.16                    |                                           | P5501          | 9.11 (2)                     | 6.43                                  | 50.48                     |
| 500                                       | P5500          | 13.84                        | 0.57                                  | 45.91                     | 2500                                      | P5500          | 2.77 (2)                     | 14.31                                 | 7.81                      |
|                                           | P5501          | 27.04 (1)                    | 0.21                                  | 118.17                    |                                           | P5501          | 8.20 (2)                     | 7.93                                  | 41.04                     |
| 750                                       | P5500          | 9.23                         | 1.29                                  | 33.78                     | 2750                                      | P5500          | 2.52 (2)                     | 17.31                                 | 7.06                      |
|                                           | P5501          | 27.04                        | 0.71                                  | 111.82                    |                                           | P5501          | 7.46 (2)                     | 9.60                                  | 33.92                     |
| 1000                                      | P5500          | 6.92                         | 2.29                                  | 23.85                     | 3000                                      | P5500          | 2.31 (2)                     | 20.61                                 | 6.43                      |
|                                           | P5501          | 20.50                        | 1.27                                  | 103.50                    |                                           | P5501          | 6.83 (2)                     | 11.42                                 | 28.50                     |
| 1250                                      | P5500          | 5.54                         | 3.58                                  | 17.38                     | 3250                                      | P5500          | 2.13 (2)                     | 24.18                                 | 5.89                      |
|                                           | P5501          | 16.40                        | 1.98                                  | 93.71                     |                                           | P5501          | 6.31 (2)                     | 13.41                                 | 24.28                     |
| 1500                                      | P5500          | 4.61                         | 5.15                                  | 13.76                     | 3500                                      | P5500          | 1.98 (2)                     | 28.05                                 | 0.00                      |
|                                           | P5501          | 13.67                        | 2.86                                  | 82.98                     |                                           | P5501          | 5.86 (2)                     | 15.55                                 | 0.00                      |
| 1750                                      | P5500          | 3.95 (2)                     | 7.01                                  | 11.48                     | 3750                                      | P5500          | 1.85 (2)                     | 32.20                                 | 0.00                      |
|                                           | P5501          | 11.72                        | 3.89                                  | 71.88                     |                                           | P5501          | 5.47 (2)                     | 17.85                                 | 0.00                      |
| 2000                                      | P5500          | 3.46 (2)                     | 9.16                                  | 9.89                      | 4000                                      | P5500          | 1.73 (2)                     | 36.63                                 | 0.00                      |
|                                           | P5501          | 10.25                        | 5.08                                  | 60.91                     |                                           | P5501          | 5.13 (2)                     | 20.31                                 | 0.00                      |

**Note:**

The table should be read in conjunction with 'Notes on Derivation of Structural Data' (page 9) and 'How to use Load Tables' (pages 52-53) in this Tab Section.

### ELEMENTS OF SECTION - P5500 STRUT & COMBINATION

| Part No. | Mass kg/m | Area of Section mm <sup>2</sup> | Axis XX              |                      |      | Axis YY              |                      |      |
|----------|-----------|---------------------------------|----------------------|----------------------|------|----------------------|----------------------|------|
|          |           |                                 | I 106mm <sup>4</sup> | Z 103mm <sup>3</sup> | r mm | I 106mm <sup>4</sup> | Z 103mm <sup>3</sup> | r mm |
| P5500    | 3.43      | 232                             | 0.197                | 5.730                | 21.3 | 0.131                | 2.661                | 17.4 |
| P5501    | 6.86      | 465                             | 1.052                | 16.990               | 34.8 | 0.261                | 5.329                | 17.4 |

**Note:**

I - Moment of Inertia

Z - Section Modulus

r - Radius of Gyration

For Slip and Pullout Performance details refer to this Tab Section. (page 49)