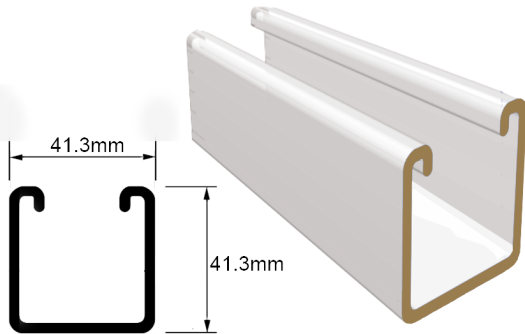


# ENI-STRUT

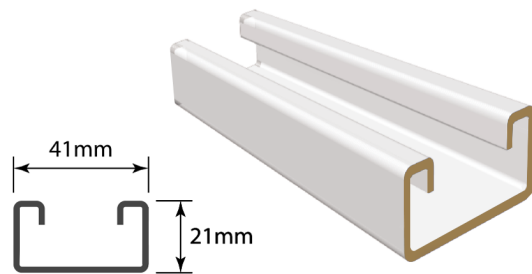
## Metal Framing Systems

### LIGHT-WEIGHT ENI-STRUT CHANNEL

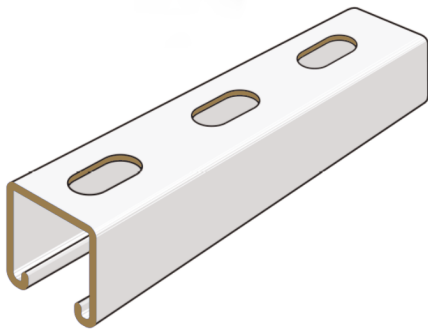
**E1000 Eni-strut Channel**



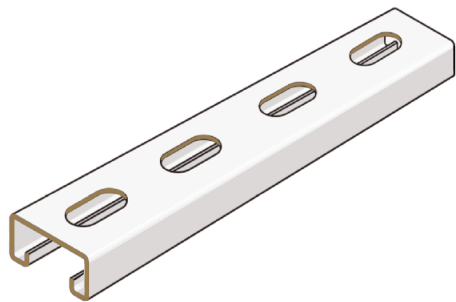
**E4000 Eni-strut Channel**



**E1000T Slotted Channel**



**E4000T Slotted Channel**



**Standard Length** : 3 meters long  
**Material Thickness** : Roll formed from 2.5m/1.6mm strip metal  
**Finishes** : Pregalv and Hot Dipped Galvanized

- ✓ No welding required
- ✓ Cost effective solution which reduces labor cost
- ✓ Fully reusable and easy to install





## ENI-STRUT CHANNEL



**E1000**



**E2000**



**E3300**



**E4000**



## ENI-STRUT CHANNEL SPECIFICATIONS

$A = 295\text{mm}^2$   
 $\text{kg/m} = 2.32\text{kg/m}$   
 $I_{x-x} = 0.059 \cdot 10^6\text{mm}^4$   
 $Z_{x-x} = 2.698 \cdot 10^3\text{mm}^3$   
 $r_{x-x} = 14.1\text{mm}$   
 $I_{y-y} = 0.091 \cdot 10^6\text{mm}^4$   
 $Z_{y-y} = 4.423 \cdot 10^3\text{mm}^3$   
 $r_{y-y} = 17.6\text{mm}$

**PG / HG**

Mass : 2.32kg/m

Slots 14mm wide x 30mm long at 50mm centres

**E1000T**

| Part No.   | Material Thickness | Length |
|------------|--------------------|--------|
| E1000T-PG  | 2.5mm              | 3m     |
| E10003T-PG | 2.5mm              | 3m     |
| E1000T-HG  | 2.5mm              | 3m     |
| E10003T-HG | 2.5mm              | 3m     |

| 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     | -      |

$A = 330\text{mm}^2$   
 $\text{kg/m} = 2.59\text{kg/m}$   
 $I_{x-x} = 0.069 \cdot 10^6\text{mm}^4$   
 $Z_{x-x} = 2.920 \cdot 10^3\text{mm}^3$   
 $r_{x-x} = 14.5\text{mm}$   
 $I_{y-y} = 0.092 \cdot 10^6\text{mm}^4$   
 $Z_{y-y} = 4.451 \cdot 10^3\text{mm}^3$   
 $r_{y-y} = 16.7\text{mm}$

**PG / HG**

Mass : 2.59kg/m

**E1000**

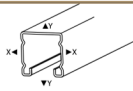
| Part No.  | Material Thickness | Length |
|-----------|--------------------|--------|
| E1000-PG  | 2.5mm              | 3m     |
| E10003-PG | 2.5mm              | 3m     |
| E1000-HG  | 2.5mm              | 3m     |
| E10003-HG | 2.5mm              | 3m     |

| 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     | -      |

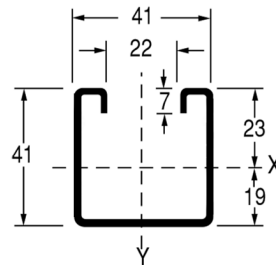


## ENI-STRUT CHANNEL SPECIFICATIONS

E2000T

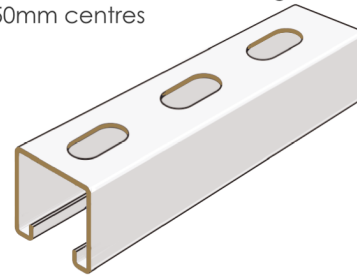


$A = 206\text{mm}^2$   
 $\text{kg/m} = 1.62\text{kg/m}$   
 $I_{x-x} = 0.045 \cdot 10^6\text{mm}^4$   
 $Z_{x-x} = 2.136 \cdot 10^3\text{mm}^3$   
 $r_{x-x} = 14.7\text{mm}$   
 $I_{y-y} = 0.065 \cdot 10^6\text{mm}^4$   
 $Z_{y-y} = 3.125 \cdot 10^3\text{mm}^3$   
 $r_{y-y} = 17.7\text{mm}$



Mass : 1.62kg/m

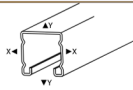
Slots 14mm wide x 30mm long at 50mm centres



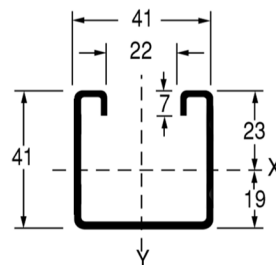
PG / HG

| Part No.   | Material Thickness | Length |
|------------|--------------------|--------|
| E2000T-PG  | 1.6mm              | 3m     |
| E20003T-PG | 1.6mm              | 3m     |
| E2000T-HG  | 1.6mm              | 3m     |
| E20003T-HG | 1.6mm              | 3m     |

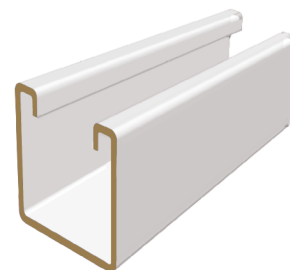
| L(mm) | Fmax (kN) | fmax (mm) | F (kN) |
|-------|-----------|-----------|--------|
| 250   | 9.27      | 0.18      | 29.63  |
| 500   | 5.45      | 0.85      | 23.90  |
| 750   | 3.64      | 1.91      | 17.29  |
| 1000  | 2.73      | 3.39      | 11.62  |
| 1250  | 2.18      | 5.30      | 8.13   |
| 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   |



$A = 228\text{mm}^2$   
 $\text{kg/m} = 1.79\text{kg/m}$   
 $I_{x-x} = 0.052 \cdot 10^6\text{mm}^4$   
 $Z_{x-x} = 2.297 \cdot 10^3\text{mm}^3$   
 $r_{x-x} = 15.2\text{mm}$   
 $I_{y-y} = 0.065 \cdot 10^6\text{mm}^4$   
 $Z_{y-y} = 3.143 \cdot 10^3\text{mm}^3$   
 $r_{y-y} = 16.9\text{mm}$



Mass : 1.79kg/m



E2000

PG / HG

| Part No.  | Material Thickness | Length |
|-----------|--------------------|--------|
| E2000-PG  | 1.6mm              | 3m     |
| E20003-PG | 1.6mm              | 3m     |
| E2000-HG  | 1.6mm              | 3m     |
| E20003-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   |

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