

# Metals Product Guide



EXPERTISE



COLLABORATION



INTEGRITY







## Righton Blackburns is an independent metals and specialist plastics stockholder and distributor

We have been a trusted supply partner for premium quality products for over 100 years.

Today we are recognised as the leading supplier to a diverse customer base and our unrivalled commitment to customer service, extensive technical experience, state of the art warehousing facilities and logistical expertise ensures we are perfectly equipped to respond to a diverse range of customer requirements from general engineering to safety critical applications.

Our reputation is founded on both the efficiency and integrity of our business dealings, as well as our proven ability to innovate and respond to change. This strength and agility is true today.

Operating from 14 service and processing centres across the UK, we are well placed to service any requirement from one off

supplies, through direct-to-line feed services, to long term contracts. We offer a reliable and efficient delivery service from locally held stocks for standard, non-standard or customer specific material.

In addition, our central facility carries over 10,000 tonnes of material in 200,000 square feet of warehouse space, helping us provide immediate stock availability and remain responsive to the constant fluctuations in demand faced by industry today.

Committed to building long term relationships with our customers we have made significant investment in fabrication and processing facilities, allowing us to supply material closer to final form, creating a real opportunity for a one-stop shop.

# Your trusted supply partner for quality metals and specialist plastics

**This product guide is a comprehensive listing of aluminium, stainless steel, copper alloys and services available from your local Righton Blackburns service centre.**

Our extensive product range, fabrication and distribution services constantly evolve and include many specialist and bespoke products aimed at general and specialist markets.

If you require any further information, a quotation or technical advice, please contact your local Righton Blackburns or email [sales@rblimited.co.uk](mailto:sales@rblimited.co.uk).

ALUMINIUM 2

STAINLESS STEEL 34

COPPER ALLOYS 76







**RIGHTON  
BLACKBURNS**  
METALS AND PLASTICS

# Aluminium

# Aluminium

## Product Guide

**Aluminium is the most plentiful element in the earth's crust and with the high proportion of recycling; reserves of the metal are never likely to be depleted.**

Some of the greatest technical developments over the past century have centred around, or been enabled by, aluminium.

Benefits in using aluminium include high strength to low weight ratio, formability, corrosion resistant, good conductivity of heat and electricity, does not burn, and is environmentally friendly as it is fully recyclable.

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## Round Bar

ALLOYS: 6082-T6 I I

2011-T3/T6

2014-T651/T651 I

6026-T9

LEAD FREE

| Dia (in)        | Weight per metre (Kg) |
|-----------------|-----------------------|
| $\frac{3}{16}$  | 0.05                  |
| 6mm             | 0.08                  |
| $\frac{1}{4}$   | 0.09                  |
| $\frac{5}{16}$  | 0.13                  |
| $\frac{3}{8}$   | 0.19                  |
| 10mm            | 0.22                  |
| $\frac{7}{16}$  | 0.26                  |
| 12mm            | 0.32                  |
| $\frac{1}{2}$   | 0.34                  |
| $\frac{9}{16}$  | 0.43                  |
| $\frac{5}{8}$   | 0.54                  |
| 16mm            | 0.54                  |
| $1\frac{1}{16}$ | 0.65                  |
| 18mm            | 0.71                  |
| $\frac{3}{4}$   | 0.77                  |
| 20mm            | 0.85                  |
| $1\frac{3}{16}$ | 0.91                  |
| $\frac{7}{8}$   | 1.05                  |
| 1               | 1.37                  |
| 25mm            | 1.39                  |
| $1\frac{1}{8}$  | 1.69                  |
| $1\frac{1}{4}$  | 1.74                  |
| $1\frac{3}{8}$  | 2.01                  |
| 30mm            | 1.92                  |
| $1\frac{1}{2}$  | 2.15                  |
| $1\frac{5}{8}$  | 2.37                  |
| $1\frac{3}{4}$  | 2.60                  |
| 35mm            | 2.61                  |
| $1\frac{7}{8}$  | 2.84                  |
| $1\frac{1}{2}$  | 3.09                  |
| 40mm            | 3.40                  |
| $1\frac{5}{8}$  | 3.63                  |
| 42mm            | 3.75                  |
| $1\frac{3}{4}$  | 4.21                  |
| 45mm            | 4.31                  |
| $1\frac{7}{8}$  | 4.83                  |

| Dia (in)       | Weight per metre (Kg) |
|----------------|-----------------------|
| 50mm           | 5.32                  |
| 2              | 5.49                  |
| $2\frac{1}{8}$ | 6.20                  |
| $2\frac{1}{4}$ | 6.95                  |
| $2\frac{3}{8}$ | 7.75                  |
| $2\frac{1}{2}$ | 8.58                  |
| $2\frac{5}{8}$ | 9.46                  |
| $2\frac{3}{4}$ | 10.4                  |
| 3              | 12.4                  |
| $3\frac{1}{4}$ | 14.5                  |
| $3\frac{1}{2}$ | 16.8                  |
| $3\frac{3}{4}$ | 19.3                  |
| 4              | 22.0                  |
| $4\frac{1}{4}$ | 24.8                  |
| $4\frac{1}{2}$ | 27.8                  |
| $4\frac{3}{4}$ | 31.0                  |
| 5              | 34.3                  |
| $5\frac{1}{4}$ | 37.8                  |
| $5\frac{1}{2}$ | 41.5                  |
| $5\frac{3}{4}$ | 45.4                  |
| 6              | 49.4                  |
| $6\frac{1}{2}$ | 58.0                  |
| 7              | 67.3                  |
| $7\frac{1}{4}$ | 72.2                  |
| $7\frac{1}{2}$ | 77.2                  |
| 8              | 87.9                  |
| $8\frac{1}{2}$ | 99.2                  |
| 9              | 111                   |
| $9\frac{1}{2}$ | 124                   |
| 10             | 137                   |
| 12             | 198                   |
| 13             | 232                   |
| 14             | 269                   |
| 15             | 309                   |
| 16             | 352                   |

\* Righton Blackburns stock a complete range of aluminium round bar in imperial and metric sizes ranging from  $\frac{3}{16}$ " - 16". For your exact requirement, please contact your local service centre.

| Size (in)                          | Weight per metre (Kg) |
|------------------------------------|-----------------------|
| $\frac{3}{8} \times \frac{1}{8}$   | 0.08                  |
| $\frac{3}{8} \times \frac{1}{4}$   | 0.16                  |
| $\frac{1}{2} \times \frac{1}{16}$  | 0.06                  |
| $\frac{1}{2} \times \frac{1}{8}$   | 0.11                  |
| $\frac{1}{2} \times \frac{3}{16}$  | 0.16                  |
| $\frac{1}{2} \times \frac{1}{4}$   | 0.22                  |
| $\frac{1}{2} \times \frac{3}{8}$   | 0.33                  |
| $\frac{5}{8} \times \frac{1}{8}$   | 0.14                  |
| $\frac{5}{8} \times \frac{3}{16}$  | 0.20                  |
| $\frac{5}{8} \times \frac{1}{4}$   | 0.27                  |
| $\frac{5}{8} \times \frac{3}{8}$   | 0.41                  |
| $\frac{5}{8} \times \frac{1}{2}$   | 0.55                  |
| $\frac{3}{4} \times \frac{1}{16}$  | 0.08                  |
| $\frac{3}{4} \times \frac{1}{8}$   | 0.16                  |
| $\frac{3}{4} \times \frac{3}{16}$  | 0.25                  |
| $\frac{3}{4} \times \frac{1}{4}$   | 0.33                  |
| $\frac{3}{4} \times \frac{3}{8}$   | 0.49                  |
| $\frac{3}{4} \times \frac{1}{2}$   | 0.66                  |
| $\frac{3}{4} \times \frac{5}{8}$   | 0.82                  |
| $\frac{7}{8} \times \frac{1}{8}$   | 0.19                  |
| $1 \times \frac{1}{16}$            | 0.11                  |
| $1 \times \frac{1}{8}$             | 0.22                  |
| $1 \times \frac{3}{16}$            | 0.33                  |
| $1 \times \frac{1}{4}$             | 0.44                  |
| $1 \times \frac{5}{16}$            | 0.54                  |
| $1 \times \frac{3}{8}$             | 0.66                  |
| $1 \times \frac{1}{2}$             | 0.87                  |
| $1 \times \frac{5}{8}$             | 1.09                  |
| $1 \times \frac{3}{4}$             | 1.31                  |
| $1\frac{1}{4} \times \frac{1}{8}$  | 0.27                  |
| $1\frac{1}{4} \times \frac{3}{16}$ | 0.41                  |
| $1\frac{1}{4} \times \frac{1}{4}$  | 0.55                  |
| $1\frac{1}{4} \times \frac{3}{8}$  | 0.82                  |
| $1\frac{1}{4} \times \frac{1}{2}$  | 1.09                  |
| $1\frac{1}{4} \times \frac{5}{8}$  | 1.37                  |
| $1\frac{1}{4} \times \frac{3}{4}$  | 1.64                  |
| $1\frac{1}{4} \times 1$            | 2.19                  |
| $1\frac{1}{2} \times \frac{1}{16}$ | 0.16                  |
| $1\frac{1}{2} \times \frac{1}{8}$  | 0.33                  |
| $1\frac{1}{2} \times \frac{3}{16}$ | 0.49                  |
| $1\frac{1}{2} \times \frac{1}{4}$  | 0.66                  |
| $1\frac{1}{2} \times \frac{3}{8}$  | 0.98                  |

| Size (in)                          | Weight per metre (Kg) |
|------------------------------------|-----------------------|
| $1\frac{1}{2} \times \frac{1}{2}$  | 1.31                  |
| $1\frac{1}{2} \times \frac{5}{8}$  | 1.64                  |
| $1\frac{1}{2} \times \frac{3}{4}$  | 1.97                  |
| $1\frac{1}{2} \times 1$            | 2.62                  |
| $1\frac{1}{2} \times 1\frac{1}{4}$ | 3.28                  |
| $1\frac{3}{4} \times \frac{1}{8}$  | 0.38                  |
| $1\frac{3}{4} \times \frac{1}{4}$  | 0.76                  |
| $1\frac{3}{4} \times \frac{3}{8}$  | 1.15                  |
| $1\frac{3}{4} \times \frac{1}{2}$  | 1.53                  |
| $1\frac{3}{4} \times \frac{3}{4}$  | 2.29                  |
| $1\frac{3}{4} \times 1$            | 3.06                  |
| $1\frac{3}{4} \times 1\frac{1}{4}$ | 3.82                  |
| $2 \times \frac{1}{8}$             | 0.44                  |
| $2 \times \frac{3}{16}$            | 0.66                  |
| $2 \times \frac{1}{4}$             | 0.87                  |
| $2 \times \frac{3}{8}$             | 1.31                  |
| $2 \times \frac{1}{2}$             | 1.75                  |
| $2 \times \frac{5}{8}$             | 2.19                  |
| $2 \times \frac{3}{4}$             | 2.62                  |
| $2 \times 1$                       | 3.50                  |
| $2 \times 1\frac{1}{4}$            | 4.37                  |
| $2 \times 1\frac{1}{2}$            | 5.25                  |
| $2\frac{1}{2} \times \frac{1}{8}$  | 0.55                  |
| $2\frac{1}{2} \times \frac{3}{16}$ | 0.82                  |
| $2\frac{1}{2} \times \frac{1}{4}$  | 1.09                  |
| $2\frac{1}{2} \times \frac{3}{8}$  | 1.64                  |
| $2\frac{1}{2} \times \frac{1}{2}$  | 2.19                  |
| $2\frac{1}{2} \times \frac{3}{4}$  | 3.28                  |
| $2\frac{1}{2} \times 1$            | 4.37                  |
| $2\frac{1}{2} \times 1\frac{1}{2}$ | 6.56                  |
| $2\frac{1}{2} \times 2$            | 8.74                  |
| $3 \times \frac{1}{8}$             | 0.66                  |
| $3 \times \frac{3}{16}$            | 0.98                  |
| $3 \times \frac{1}{4}$             | 1.31                  |
| $3 \times \frac{3}{8}$             | 1.97                  |
| $3 \times \frac{1}{2}$             | 2.62                  |
| $3 \times \frac{5}{8}$             | 3.28                  |
| $3 \times 1$                       | 5.25                  |
| $3 \times 2$                       | 10.50                 |
| $3\frac{1}{2} \times \frac{1}{4}$  | 1.52                  |
| $3\frac{1}{2} \times \frac{1}{2}$  | 3.04                  |
| continued on next page...          |                       |

## Flat Bar

ALLOYS: 6082-T6  
6063-T6, 6063A-T6

## Flat Bar (continued...)

ALLOYS: 6082-T6  
6063-T6, 6063A-T6

| Size (in)          | Weight per metre (Kg) |
|--------------------|-----------------------|
| 4 x $\frac{1}{8}$  | 0.87                  |
| 4 x $\frac{3}{16}$ | 1.30                  |
| 4 x $\frac{1}{4}$  | 1.75                  |
| 4 x $\frac{3}{8}$  | 2.62                  |
| 4 x $\frac{1}{2}$  | 3.50                  |
| 4 x $\frac{5}{8}$  | 4.37                  |
| 4 x $\frac{3}{4}$  | 5.25                  |
| 4 x 1              | 6.99                  |
| 4 x $1\frac{1}{4}$ | 8.74                  |

| Size (in)         | Weight per metre (Kg) |
|-------------------|-----------------------|
| 4 x 2             | 14.00                 |
| 5 x $\frac{1}{4}$ | 2.19                  |
| 5 x $\frac{1}{2}$ | 4.37                  |
| 6 x $\frac{1}{8}$ | 1.31                  |
| 6 x $\frac{1}{4}$ | 2.62                  |
| 6 x $\frac{3}{8}$ | 3.93                  |
| 6 x $\frac{1}{2}$ | 5.25                  |
| 6 x 1             | 10.50                 |

## Square Bar

ALLOY: 6082-T6

| Size (in)      | Weight per metre (Kg) |
|----------------|-----------------------|
| $\frac{1}{4}$  | 0.11                  |
| $\frac{5}{16}$ | 0.17                  |
| $\frac{3}{8}$  | 0.25                  |
| $\frac{1}{2}$  | 0.44                  |
| $\frac{5}{8}$  | 0.68                  |
| $\frac{3}{4}$  | 0.98                  |
| $\frac{7}{8}$  | 1.34                  |
| 1              | 1.75                  |

| Size (in)      | Weight per metre (Kg) |
|----------------|-----------------------|
| $1\frac{1}{4}$ | 2.73                  |
| $1\frac{1}{2}$ | 3.93                  |
| $1\frac{3}{4}$ | 5.35                  |
| 2              | 6.99                  |
| $2\frac{1}{2}$ | 10.90                 |
| 3              | 15.70                 |
| $3\frac{1}{2}$ | 21.40                 |
| 4              | 28.00                 |



| Size (in)        | Weight per metre (Kg) |
|------------------|-----------------------|
| ½ x ½ x 16 swg   | 0.20                  |
| ¾ x ¾ x 16 swg   | 0.31                  |
| ¾ x ¾ x 10 swg   | 0.56                  |
| 1 x 1 x 16 swg   | 0.42                  |
| 1 x 1 x 10 swg   | 0.78                  |
| 1¼ x 1¼ x 16 swg | 0.53                  |
| 1¼ x 1¼ x 10 swg | 1.00                  |
| 1½ x 1½ x 16 swg | 0.64                  |
| 1½ x 1½ x 10 swg | 1.23                  |

| Size (in)        | Weight per metre (Kg) |
|------------------|-----------------------|
| 1¾ x 1¼ x 10 swg | 1.45                  |
| 2 x 2 x 16 swg   | 0.87                  |
| 2 x 2 x 10 swg   | 1.68                  |
| 2 x 2 x ¼ swg    | 3.06                  |
| 2½ x 2½ x 10 swg | 2.12                  |
| 3 x 3 x 10 swg   | 2.57                  |
| 4 x 4 x 10 swg   | 3.47                  |
| 4 x 4 x ¼ swg    | 6.56                  |

| Size (in)       | Weight per metre (Kg) |
|-----------------|-----------------------|
| 1 x ½ x 16 swg  | 0.31                  |
| 1½ x ¾ x 16 swg | 0.48                  |
| 1½ x 1 x 16 swg | 0.52                  |
| 1½ x 1 x 10 swg | 1.00                  |
| 2 x 1 x 10 swg  | 1.22                  |
| 2 x 1½ x 10 swg | 1.34                  |
| 3 x 1 x 10 swg  | 1.67                  |
| 3 x 1½ x 10 swg | 1.90                  |

| Size (in)       | Weight per metre (Kg) |
|-----------------|-----------------------|
| 3 x 1¾ x 10 swg | 2.01                  |
| 3 x 2 x 10 swg  | 2.11                  |
| 4 x 1 x 10 swg  | 2.12                  |
| 4 x 1¾ x 10 swg | 2.45                  |
| 4 x 2 x 10 swg  | 2.56                  |
| 6 x 2 x 10 swg  | 3.40                  |
| 6 x 3 x ⅜ swg   | 10.80                 |

| Size (mm)     | Weight per metre (Kg) |
|---------------|-----------------------|
| 50 x 50 x 3.0 | 1.53                  |

## Box Section

### SQUARE

ALLOYS: 6063-T6, 6082-T6

## Box Section

### RECTANGULAR

ALLOYS: 6063-T6, 6082-T6

## Metric Box Section

ALLOY: 6065

## Tube

ALLOYS: 6082-T6  
6063-T6, 6063A-T6

| Size (in)          | Weight per metre (Kg) |
|--------------------|-----------------------|
| 3/8 O/D x 16 swg   | 0.11                  |
| 1/2 O/D x 18 swg   | 0.12                  |
| 1/2 O/D x 16 swg   | 0.15                  |
| 1/2 O/D x 10 swg   | 0.26                  |
| 5/8 O/D x 18 swg   | 0.15                  |
| 5/8 O/D x 16 swg   | 0.20                  |
| 5/8 O/D x 10 swg   | 0.35                  |
| 3/4 O/D x 18 swg   | 0.19                  |
| 3/4 O/D x 16 swg   | 0.24                  |
| 3/4 O/D x 10 swg   | 0.44                  |
| 7/8 O/D x 18 swg   | 0.22                  |
| 7/8 O/D x 16 swg   | 0.29                  |
| 7/8 O/D x 10 swg   | 0.53                  |
| 1 O/D x 18 swg     | 0.25                  |
| 1 O/D x 16 swg     | 0.33                  |
| 1 O/D x 10 swg     | 0.61                  |
| 1 O/D x 3/16       | 0.83                  |
| 1 1/8 O/D x 18 swg | 0.28                  |
| 1 1/8 O/D x 16 swg | 0.37                  |
| 1 1/8 O/D x 10 swg | 0.70                  |
| 1 1/4 O/D x 18 swg | 0.32                  |
| 1 1/4 O/D x 16 swg | 0.42                  |
| 1 1/4 O/D x 12 swg | 0.65                  |
| 1 1/4 O/D x 10 swg | 0.79                  |
| 1 1/4 O/D x 3/16   | 1.08                  |
| 1 3/8 O/D x 16 swg | 0.46                  |
| 1 3/8 O/D x 10 swg | 0.88                  |
| 1 1/2 O/D x 18 swg | 0.38                  |
| 1 1/2 O/D x 16 swg | 0.50                  |
| 1 1/2 O/D x 10 swg | 0.96                  |
| 1 1/2 O/D x 3/16   | 1.35                  |
| 1 1/2 O/D x 1/4    | 1.71                  |
| 1 5/8 O/D x 16 swg | 0.55                  |
| 1 5/8 O/D x 10 swg | 1.05                  |
| 1 5/8 O/D x 3/16   | 1.48                  |

| Size (in)          | Weight per metre (Kg) |
|--------------------|-----------------------|
| 1 3/4 O/D x 16 swg | 0.59                  |
| 1 3/4 O/D x 10 swg | 1.14                  |
| 1 7/8 O/D x 10 swg | 1.23                  |
| 2 O/D x 16 swg     | 0.68                  |
| 2 O/D x 14 swg     | 0.84                  |
| 2 O/D x 10 swg     | 1.32                  |
| 2 O/D x 3/16       | 1.86                  |
| 2 O/D x 1/4        | 2.39                  |
| 2 1/4 O/D x 16 swg | 0.77                  |
| 2 1/4 O/D x 10 swg | 1.49                  |
| 2 1/2 O/D x 16 swg | 0.86                  |
| 2 1/2 O/D x 10 swg | 1.67                  |
| 2 1/2 O/D x 3/16   | 2.38                  |
| 2 1/2 O/D x 1/4    | 3.08                  |
| 2 1/2 O/D x 3/8    | 4.36                  |
| 2 3/4 O/D x 10 swg | 1.84                  |
| 3 O/D x 16 swg     | 1.03                  |
| 3 O/D x 12 swg     | 1.65                  |
| 3 O/D x 10 swg     | 2.02                  |
| 3 O/D x 3/16       | 2.90                  |
| 3 O/D x 1/4        | 3.76                  |
| 3 1/2 O/D x 16 swg | 1.21                  |
| 3 1/2 O/D x 10 swg | 2.37                  |
| 3 1/2 O/D x 1/4    | 4.46                  |
| 4 O/D x 16 swg     | 1.38                  |
| 4 O/D x 12 swg     | 2.23                  |
| 4 O/D x 10 swg     | 2.72                  |
| 4 O/D x 1/4        | 5.15                  |
| 4 1/2 O/D x 10 swg | 3.07                  |
| 4 1/2 O/D x 1/4    | 5.83                  |
| 5 O/D x 10 swg     | 3.43                  |
| 5 O/D x 1/4        | 6.52                  |
| 5 1/2 O/D x 1/4    | 7.21                  |
| 6 O/D x 10 swg     | 4.13                  |
| 6 O/D x 1/4        | 7.90                  |
| 6 1/2 O/D x 1/4    | 8.58                  |

## Scaffold Tube

20FT LENGTH

| Size (in)           | Weight per metre (Kg) |
|---------------------|-----------------------|
| 1 29/32 O/D x 7 swg | 1.53                  |

| Size (in)  | Weight per metre (Kg) |
|--|-----------------------|
| $\frac{3}{8} \times \frac{3}{8} \times \frac{1}{16}$   | 0.11                  |
| $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{16}$   | 0.06                  |
| $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{8}$    | 0.27                  |
| $\frac{5}{8} \times \frac{5}{8} \times \frac{1}{16}$   | 0.19                  |
| $\frac{5}{8} \times \frac{5}{8} \times \frac{1}{8}$    | 0.36                  |
| $\frac{3}{4} \times \frac{1}{2} \times \frac{1}{8}$    | 0.44                  |
| $\frac{3}{4} \times \frac{3}{4} \times \frac{1}{16}$   | 0.24                  |
| $\frac{3}{4} \times \frac{3}{4} \times \frac{1}{8}$    | 0.49                  |
| $\frac{7}{8} \times \frac{7}{8} \times \frac{1}{8}$    | 0.52                  |
| $1 \times \frac{1}{2} \times \frac{1}{8}$              | 0.38                  |
| $1 \times \frac{3}{4} \times \frac{1}{8}$              | 0.49                  |
| $1 \times 1 \times \frac{1}{16}$                       | 0.31                  |
| $1 \times 1 \times \frac{1}{8}$                        | 0.60                  |
| $1 \times 1 \times \frac{3}{16}$                       | 0.86                  |
| $1\frac{1}{8} \times \frac{3}{4} \times \frac{1}{8}$   | 0.52                  |
| $1\frac{1}{8} \times 1 \times \frac{1}{8}$             | 0.63                  |
| $1\frac{1}{8} \times 1\frac{1}{8} \times \frac{1}{8}$  | 0.68                  |
| $1\frac{1}{4} \times \frac{1}{2} \times \frac{1}{8}$   | 0.44                  |
| $1\frac{1}{4} \times \frac{3}{4} \times \frac{1}{8}$   | 0.55                  |
| $1\frac{1}{4} \times 1 \times \frac{1}{8}$             | 0.66                  |
| $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{16}$ | 0.39                  |
| $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{8}$  | 0.76                  |
| $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{3}{16}$ | 1.10                  |
| $1\frac{1}{2} \times \frac{1}{2} \times \frac{1}{8}$   | 0.49                  |
| $1\frac{1}{2} \times \frac{3}{4} \times \frac{1}{8}$   | 0.60                  |
| $1\frac{1}{2} \times 1 \times \frac{1}{8}$             | 0.71                  |
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$  | 0.93                  |
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$  | 1.74                  |
| $1\frac{3}{4} \times 1 \times \frac{1}{8}$             | 0.76                  |
| $1\frac{3}{4} \times 1\frac{3}{4} \times \frac{1}{8}$  | 1.09                  |

| Size (in)   | Weight per metre (Kg) |
|---|-----------------------|
| $2 \times \frac{1}{2} \times \frac{1}{8}$                                 | 0.60                  |
| $2 \times \frac{3}{4} \times \frac{1}{8}$                                 | 0.71                  |
| $2 \times 1 \times \frac{1}{8}$   | 0.82                  |
| $2 \times 1 \times \frac{3}{16}$  | 1.22                  |
| $2 \times 1 \times \frac{1}{4}$   | 1.52                  |
| $2 \times 1\frac{1}{2} \times \frac{1}{8}$                                | 1.03                  |
| $2 \times 1\frac{1}{2} \times \frac{1}{4}$                                | 1.97                  |
| $2 \times 2 \times \frac{1}{8}$   | 1.26                  |
| $2 \times 2 \times \frac{3}{16}$  | 1.83                  |
| $2 \times 2 \times \frac{1}{4}$   | 2.40                  |
| $2\frac{1}{4} \times 1\frac{1}{4} \times \frac{3}{16}$                    | 1.43                  |
| $2\frac{1}{2} \times 1 \times \frac{1}{8}$                                | 0.93                  |
| $2\frac{1}{2} \times 1\frac{1}{4} \times \frac{3}{16}$                    | 1.52                  |
| $3 \times 1 \times \frac{1}{8}$   | 1.04                  |
| $3 \times 1\frac{1}{2} \times \frac{1}{8}$                                | 1.26                  |
| $3 \times 1\frac{1}{2} \times \frac{3}{16}$                               | 1.84                  |
| $3 \times 1\frac{1}{2} \times \frac{1}{4} \times \frac{5}{16}$            | 2.66                  |
| $3 \times 2 \times \frac{1}{8}$   | 1.48                  |
| $3 \times 2 \times \frac{3}{16}$  | 2.17                  |
| $3 \times 2 \times \frac{1}{4}$   | 2.84                  |
| $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4} \times \frac{5}{16}$ | 2.90                  |
| $4 \times 2 \times \frac{1}{8}$   | 1.69                  |
| $4 \times 2 \times \frac{3}{16}$  | 2.50                  |
| $4 \times 2 \times \frac{1}{4} \times \frac{5}{16}$                       | 3.66                  |
| $5 \times 2 \times \frac{1}{4} \times \frac{5}{16}$                       | 4.24                  |
| $6 \times 2 \times \frac{1}{4} \times \frac{5}{16}$                       | 4.53                  |
| $6 \times 3 \times \frac{1}{4} \times \frac{3}{8}$                        | 6.21                  |
| $6 \times 3 \times \frac{3}{8} \times \frac{1}{2}$                        | 8.49                  |
| $8 \times 3 \times \frac{3}{8} \times \frac{1}{2}$                        | 9.80                  |
| $10 \times 3 \times \frac{3}{8} \times \frac{1}{2}$                       | 11.33                 |

## Channel

ALLOYS: 6082-T6

6063-T6, 6063A-T6

Dimensions in the order: base x leg x base thickness x leg thickness

## Tee Section

ALLOYS: 6082-T6  
6063A-T6

| Size (in)  | Weight per metre (Kg) |
|--|-----------------------|
| $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{16}$   | 0.10                  |
| $\frac{3}{4} \times \frac{3}{4} \times 0.08$           | 0.20                  |
| $\frac{3}{4} \times \frac{3}{4} \times \frac{1}{8}$    | 0.30                  |
| $1 \times 1 \times \frac{1}{16}$                       | 0.21                  |
| $1 \times 1 \times \frac{1}{8}$                        | 0.41                  |
| $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{8}$  | 0.52                  |
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$  | 0.63                  |
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$ | 0.92                  |

| Size (in)   | Weight per metre (Kg) |
|---|-----------------------|
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$ | 1.20                  |
| $2 \times 1 \times \frac{1}{8}$                       | 0.63                  |
| $2 \times 2 \times \frac{1}{8}$                       | 0.85                  |
| $2 \times 2 \times \frac{3}{16}$                      | 1.25                  |
| $2 \times 2 \times \frac{1}{4}$                       | 1.64                  |
| $3 \times 3 \times \frac{1}{4}$                       | 2.51                  |
| $3 \times 3 \times \frac{3}{8}$                       | 3.69                  |

Dimensions: cross piece x height x thickness

## Equal Angle

ALLOYS: 6082-T6  
6063-T6, 6063A-T6

| Size (in)  | Weight per metre (Kg) |
|--|-----------------------|
| $\frac{3}{8} \times \frac{3}{8} \times \frac{1}{16}$   | 0.08                  |
| $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{16}$   | 0.10                  |
| $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{8}$    | 0.19                  |
| $\frac{5}{8} \times \frac{5}{8} \times \frac{1}{16}$   | 0.13                  |
| $\frac{5}{8} \times \frac{5}{8} \times \frac{1}{8}$    | 0.25                  |
| $\frac{3}{4} \times \frac{3}{4} \times \frac{1}{16}$   | 0.16                  |
| $\frac{3}{4} \times \frac{3}{4} \times \frac{1}{8}$    | 0.30                  |
| $\frac{7}{8} \times \frac{7}{8} \times \frac{1}{8}$    | 0.36                  |
| $1 \times 1 \times \frac{1}{16}$                       | 0.21                  |
| $1 \times 1 \times \frac{1}{8}$                        | 0.41                  |
| $1 \times 1 \times \frac{3}{16}$                       | 0.59                  |
| $1 \times 1 \times \frac{1}{4}$                        | 0.76                  |
| $1\frac{1}{8} \times 1\frac{1}{8} \times \frac{1}{8}$  | 0.46                  |
| $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{16}$ | 0.27                  |
| $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{8}$  | 0.52                  |
| $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{3}{16}$ | 0.76                  |
| $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{4}$  | 0.98                  |
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{16}$ | 0.32                  |
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$  | 0.63                  |
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$ | 0.92                  |

| Size (in)  | Weight per metre (Kg) |
|--|-----------------------|
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$  | 1.20                  |
| $1\frac{3}{4} \times 1\frac{3}{4} \times \frac{1}{8}$  | 0.74                  |
| $1\frac{3}{4} \times 1\frac{3}{4} \times \frac{3}{16}$ | 1.09                  |
| $1\frac{3}{4} \times 1\frac{3}{4} \times \frac{1}{4}$  | 1.42                  |
| $2 \times 2 \times \frac{1}{16}$                       | 0.43                  |
| $2 \times 2 \times \frac{1}{8}$                        | 0.85                  |
| $2 \times 2 \times \frac{3}{16}$                       | 1.25                  |
| $2 \times 2 \times \frac{1}{4}$                        | 1.64                  |
| $2 \times 2 \times \frac{3}{8}$                        | 2.38                  |
| $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{1}{8}$  | 1.06                  |
| $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{3}{16}$ | 1.58                  |
| $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{1}{4}$  | 2.08                  |
| $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{3}{8}$  | 3.03                  |
| $3 \times 3 \times \frac{1}{8}$                        | 1.28                  |
| $3 \times 3 \times \frac{3}{16}$                       | 1.91                  |
| $3 \times 3 \times \frac{1}{4}$                        | 2.51                  |
| $3 \times 3 \times \frac{3}{8}$                        | 3.69                  |
| $4 \times 4 \times \frac{1}{4}$                        | 3.39                  |
| $4 \times 4 \times \frac{3}{8}$                        | 5.00                  |
| $6 \times 6 \times \frac{1}{2}$                        | 10.00                 |

## Metric Angle

ALLOY: 6063

| Size (mm)   | Weight per metre (Kg) |
|-------------|-----------------------|
| 25 x 25 x 3 | 0.39                  |
| 50 x 50 x 3 | 0.79                  |
| 50 x 25 x 3 | 0.59                  |



| Size (in)  | Weight per metre (Kg) |
|--|-----------------------|
| $\frac{3}{4} \times \frac{1}{4} \times \frac{1}{16}$ | 0.10                  |
| $\frac{3}{4} \times \frac{3}{8} \times \frac{1}{16}$ | 0.12                  |
| $\frac{3}{4} \times \frac{1}{2} \times \frac{1}{16}$ | 0.13                  |
| $\frac{3}{4} \times \frac{1}{2} \times \frac{1}{8}$  | 0.25                  |
| $1 \times \frac{1}{2} \times \frac{1}{16}$           | 0.15                  |
| $1 \times \frac{1}{2} \times \frac{1}{8}$            | 0.30                  |
| $1 \times \frac{5}{8} \times \frac{1}{8}$            | 0.33                  |
| $1 \times \frac{3}{4} \times \frac{1}{16}$           | 0.18                  |
| $1 \times \frac{3}{4} \times \frac{1}{8}$            | 0.36                  |
| $1\frac{1}{4} \times \frac{1}{2} \times \frac{1}{8}$ | 0.36                  |
| $1\frac{1}{4} \times \frac{3}{4} \times \frac{1}{8}$ | 0.41                  |
| $1\frac{1}{4} \times 1 \times \frac{1}{8}$           | 0.47                  |
| $1\frac{1}{2} \times \frac{1}{2} \times \frac{1}{8}$ | 0.41                  |
| $1\frac{1}{2} \times \frac{3}{4} \times \frac{1}{8}$ | 0.46                  |
| $1\frac{1}{2} \times 1 \times \frac{1}{16}$          | 0.27                  |
| $1\frac{1}{2} \times 1 \times \frac{1}{8}$           | 0.52                  |
| $1\frac{3}{4} \times \frac{3}{4} \times \frac{1}{8}$ | 0.52                  |
| $1\frac{3}{4} \times \frac{7}{8} \times \frac{1}{8}$ | 0.55                  |
| $1\frac{3}{4} \times 1 \times \frac{1}{8}$           | 0.57                  |
| $2 \times \frac{1}{2} \times \frac{1}{8}$            | 0.52                  |
| $2 \times \frac{3}{4} \times \frac{1}{8}$            | 0.57                  |
| $2 \times 1 \times \frac{1}{8}$                      | 0.63                  |
| $2 \times 1 \times \frac{3}{16}$                     | 0.92                  |

| Size (in)  | Weight per metre (Kg) |
|--|-----------------------|
| $2 \times 1 \times \frac{1}{4}$                        | 1.20                  |
| $2 \times 1\frac{1}{2} \times \frac{1}{8}$             | 0.74                  |
| $2 \times 1\frac{1}{2} \times \frac{3}{16}$            | 1.09                  |
| $2 \times 1\frac{1}{2} \times \frac{1}{4}$             | 1.42                  |
| $2\frac{1}{2} \times 1 \times \frac{1}{8}$             | 0.73                  |
| $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$  | 0.85                  |
| $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$ | 1.25                  |
| $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$  | 1.64                  |
| $2\frac{1}{2} \times 2 \times \frac{1}{4}$             | 1.86                  |
| $3 \times 1 \times \frac{1}{8}$                        | 0.85                  |
| $3 \times 1 \times \frac{1}{4}$                        | 1.64                  |
| $3 \times 1\frac{1}{2} \times \frac{1}{8}$             | 0.96                  |
| $3 \times 1\frac{1}{2} \times \frac{3}{16}$            | 1.40                  |
| $3 \times 1\frac{1}{2} \times \frac{1}{4}$             | 1.86                  |
| $3 \times 2 \times \frac{1}{8}$                        | 1.07                  |
| $3 \times 2 \times \frac{3}{16}$                       | 1.58                  |
| $3 \times 2 \times \frac{1}{4}$                        | 2.08                  |
| $4 \times 1 \times \frac{1}{8}$                        | 1.06                  |
| $4 \times 2 \times \frac{1}{8}$                        | 1.29                  |
| $4 \times 2 \times \frac{1}{4}$                        | 2.51                  |
| $4 \times 3 \times \frac{1}{4}$                        | 2.95                  |
| $5 \times 2 \times \frac{1}{4}$                        | 2.92                  |
| $6 \times 3 \times \frac{3}{8}$                        | 5.63                  |

| Ref.   | Size (in)  | Weight per metre (Kg) |
|--------|--|-----------------------|
| No.921 | $1\frac{1}{8} \times \frac{3}{4} \times \frac{1}{8}$ | 0.52                  |
| No.940 | $1\frac{3}{4} \times 1 \times \frac{1}{8}$           | 0.82                  |
| No.941 | $1\frac{1}{4} \times 1 \times \frac{1}{8}$           | 0.67                  |
| No.942 | $1 \times \frac{3}{4} \times \frac{3}{32}$           | 0.39                  |
| No.943 | $\frac{3}{4} \times \frac{1}{2} \times \frac{1}{16}$ | 0.18                  |

Dimensions: height x legs x thickness

## Unequal Angle

ALLOYS: 6082-T6


6063-T6, 6063A-T6

## Z Section


ALLOY: 6063-T6

# Mouldings


## GUTTER SECTIONS



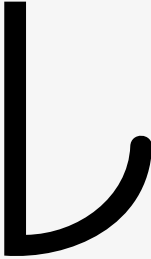
**8**  
0.131 kg/m



**225**  
0.129 kg/m



**455**  
0.275 kg/m



**466**  
0.259 kg/m



**582**  
0.205 kg/m

## Mouldings

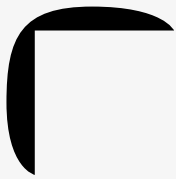
COPE



**84**  
0.237 kg/m



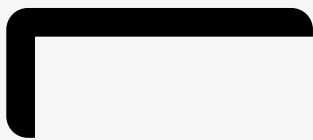
**306**  
0.219 kg/m



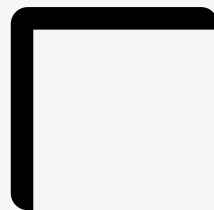
**760**  
0.228 kg/m



**767**  
0.348 kg/m



**794**  
0.421 kg/m



**809**  
0.302 kg/m



**903**  
0.089 kg/m



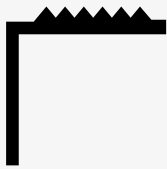
**905**  
0.281 kg/m



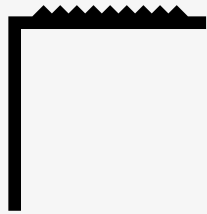
**906**  
0.232 kg/m

# Mouldings


## FLUTED EDGINGS & NOSINGS




**36**  
0.167 kg/m




**249**  
0.237 kg/m




**527**  
0.247 kg/m



**673**  
0.455 kg/m

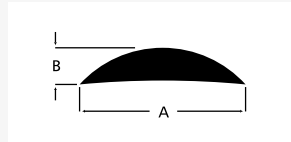


**748**  
0.491 kg/m



**786**  
0.368 kg/m

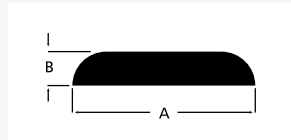




### Half Round

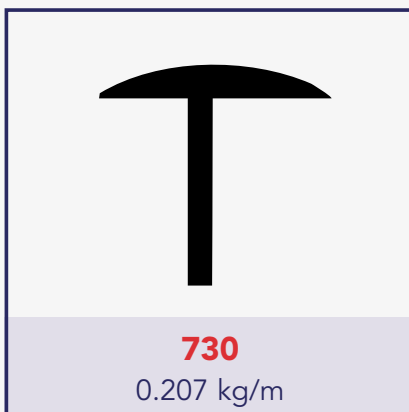
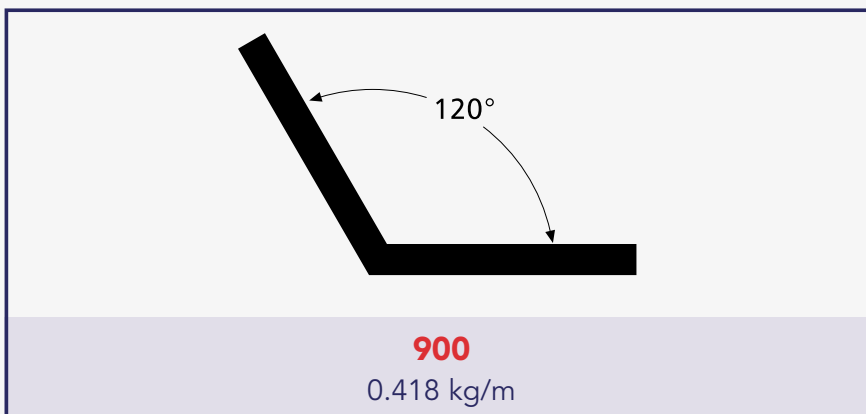
| Size (in)                         | Weight per metre (Kg) |
|-----------------------------------|-----------------------|
| $\frac{5}{8} \times \frac{3}{16}$ | 0.128                 |
| $\frac{3}{4} \times \frac{3}{16}$ | 0.146                 |
| $1 \times \frac{3}{16}$           | 0.153                 |

| Size (in)                          | Weight per metre (Kg) |
|------------------------------------|-----------------------|
| $1\frac{1}{4} \times \frac{3}{16}$ | 0.210                 |
| $1\frac{1}{2} \times \frac{3}{16}$ | 0.250                 |
| $2 \times \frac{1}{4}$             | 0.445                 |



### Double Feather Edge

| Size (in)                         | Weight per metre (Kg) |
|-----------------------------------|-----------------------|
| $1 \times \frac{1}{8}$            | 0.207                 |
| $1\frac{1}{4} \times \frac{1}{8}$ | 0.262                 |
| $1\frac{1}{2} \times \frac{1}{8}$ | 0.318                 |



## Mouldings

### HALF ROUND SECTIONS

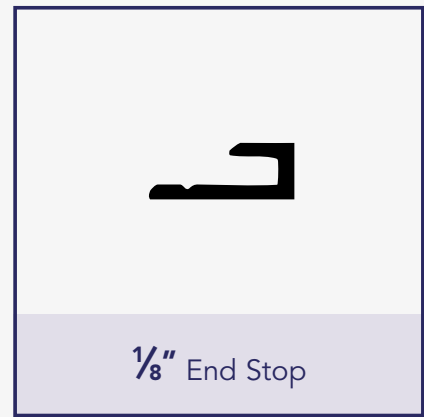
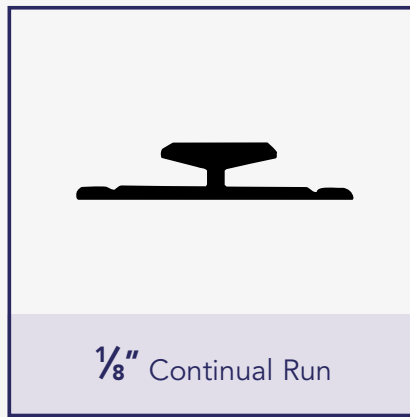
### DOUBLE FEATHERED SECTIONS

### CORNER SECTIONS

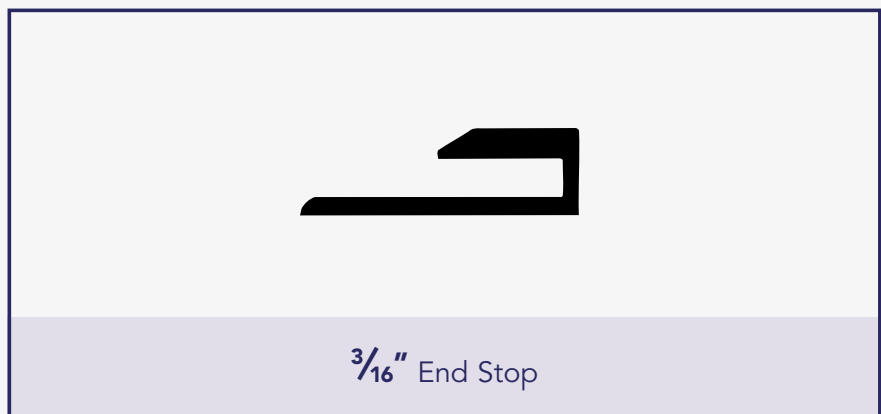
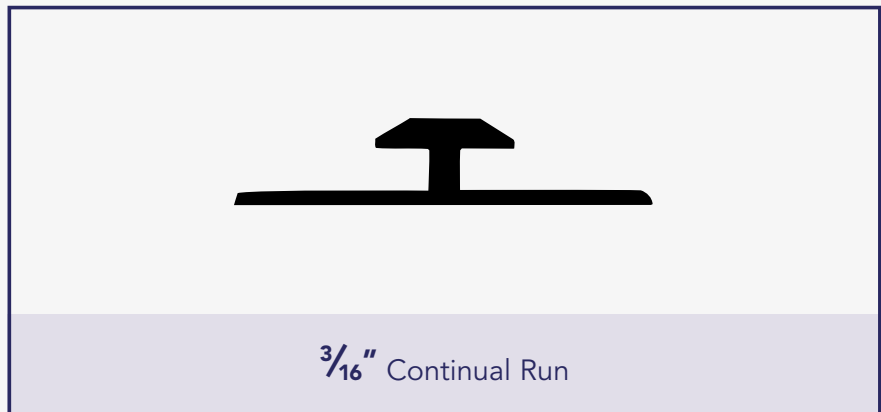
### LAP PLATE SECTIONS

## Wallboard Sections

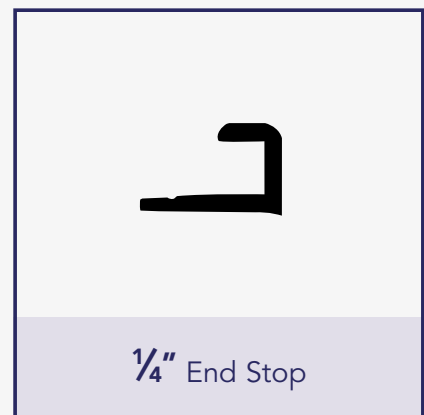
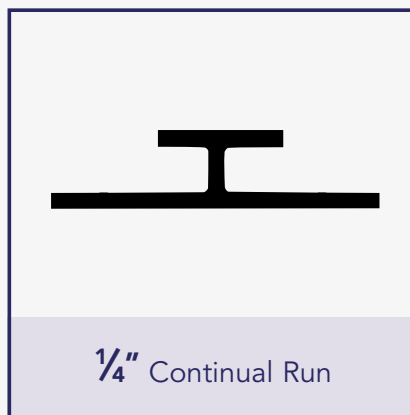
FOR 1/8" BOARD

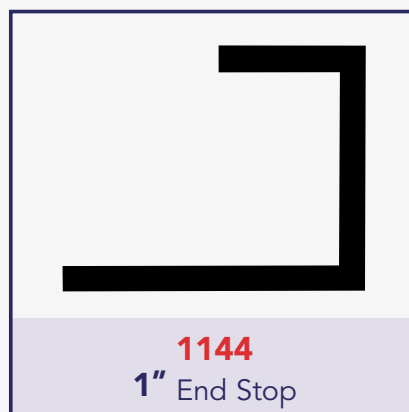
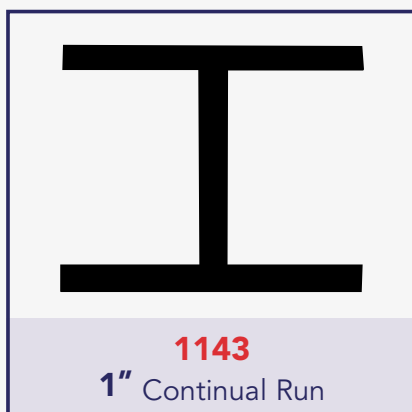
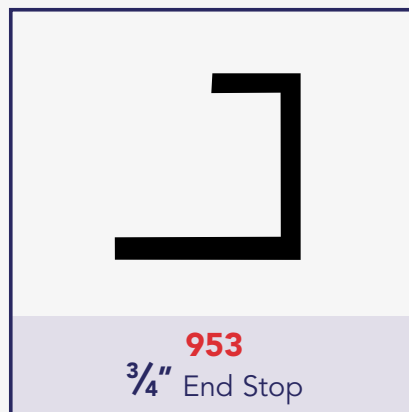
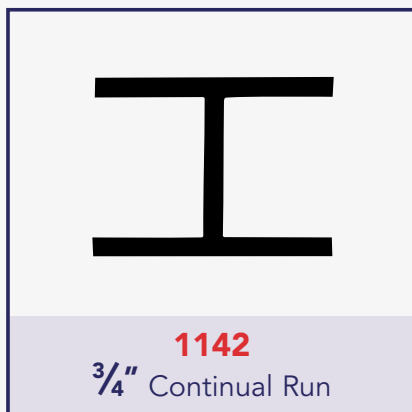
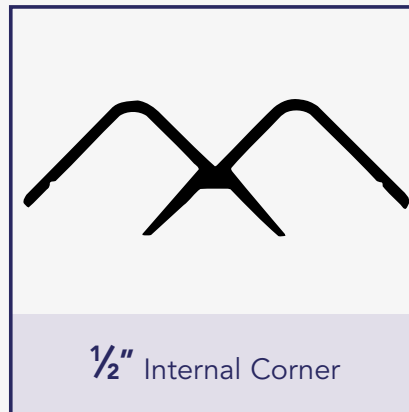
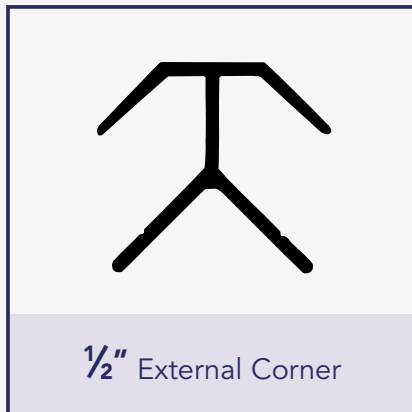
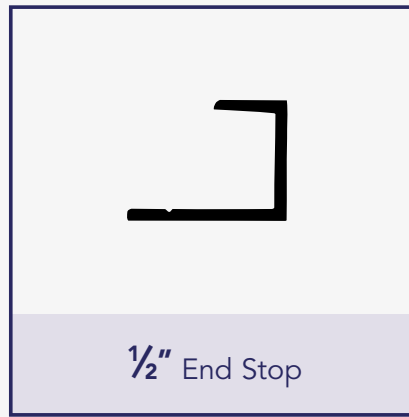
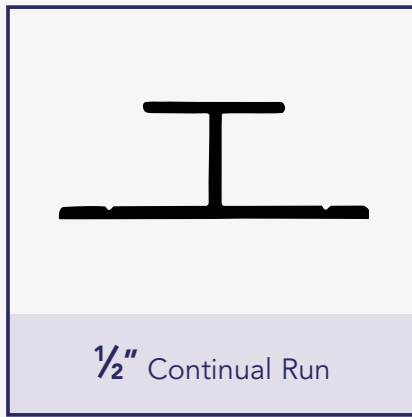


FOR 3/16" BOARD



FOR 1/4" BOARD





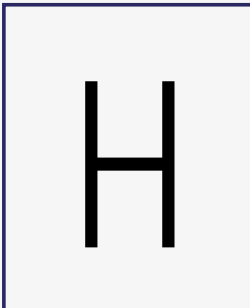
## Wallboard Sections

FOR  $\frac{1}{2}$ " BOARD

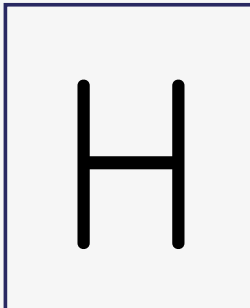
FOR  $\frac{3}{4}$ " BOARD

FOR 1" BOARD

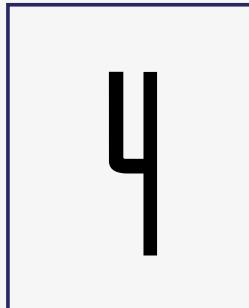
## Miscellaneous Sections



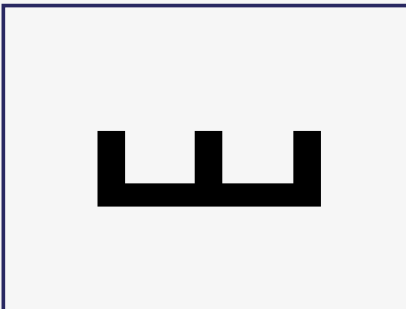
**733**  
0.190 kg/m



**734**  
0.210 kg/m



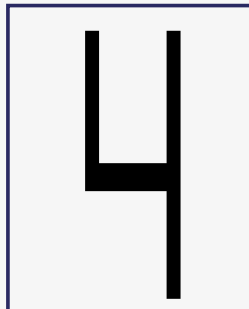
**857**  
0.167 kg/m



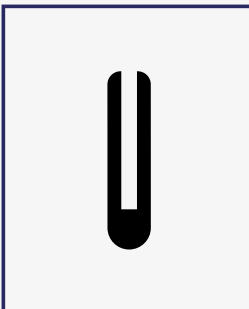
**806**  
0.381 kg/m



**807**  
0.506 kg/m




**855**  
0.271 kg/m



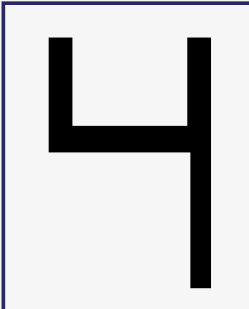
**924**  
0.179 kg/m



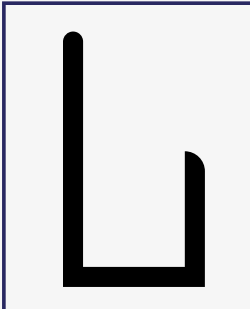
**926**  
0.394 kg/m



**927**  
0.506 kg/m



**928**  
0.430 kg/m



**929**  
0.368 kg/m



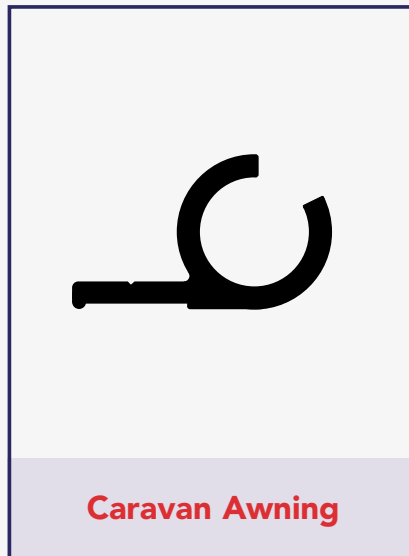
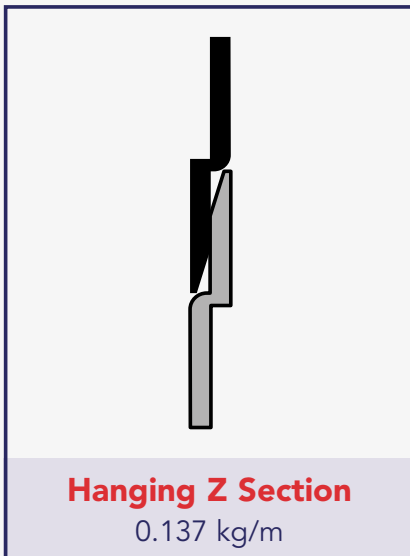
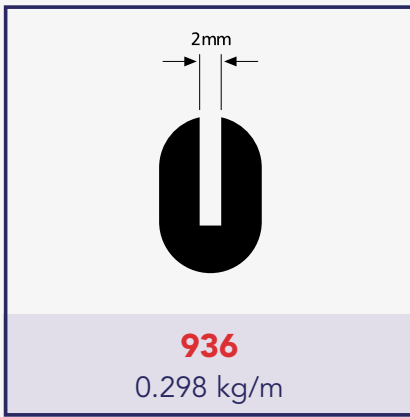
**952**  
0.176 kg/m



**972**  
0.271 kg/m



## Miscellaneous Sections



| Length (mm) | Colour      |
|-------------|-------------|
| 5000        | Mill Finish |
| 6000        | Mill Finish |
| 6100        | Mill Finish |
| 5000        | Grey        |
| 6000        | Grey        |
| 5000        | White       |
| 5000        | Black       |

## Sign Channel

**MEDIUM CHANNEL**



| Length (mm) | Colour      |
|-------------|-------------|
| 5000        | Mill Finish |
| 5000        | White       |
| 5000        | Grey        |
| 5000        | Black       |

**INTERLOCKING**

## Sheet

ALLOY: 1050A-H14

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 0.5 | 2.71                  |
| 2500 x 1250 x 0.5 | 4.23                  |
| 2000 x 1000 x 0.6 | 3.25                  |
| 2500 x 1250 x 0.6 | 5.08                  |
| 2000 x 1000 x 0.7 | 3.80                  |
| 2500 x 1250 x 0.7 | 5.94                  |
| 2000 x 1000 x 0.8 | 4.34                  |
| 2500 x 1250 x 0.8 | 6.78                  |
| 2000 x 1000 x 1.0 | 5.42                  |
| 2500 x 1250 x 1.0 | 8.47                  |
| 3000 x 1250 x 1.0 | 10.20                 |
| 2000 x 1000 x 1.2 | 6.50                  |
| 2500 x 1250 x 1.2 | 10.20                 |
| 3000 x 1250 x 1.2 | 12.20                 |
| 3000 x 1500 x 1.2 | 14.60                 |
| 2000 x 1000 x 1.5 | 8.13                  |
| 2500 x 1250 x 1.5 | 12.70                 |
| 3000 x 1250 x 1.5 | 15.20                 |
| 3000 x 1500 x 1.5 | 18.30                 |
| 2000 x 1000 x 2.0 | 10.80                 |
| 2500 x 1250 x 2.0 | 16.90                 |
| 3000 x 1000 x 2.0 | 16.30                 |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 3000 x 1250 x 2.0 | 20.30                 |
| 3000 x 1500 x 2.0 | 24.40                 |
| 3000 x 2000 x 2.0 | 32.52                 |
| 4000 x 1000 x 2.0 | 21.73                 |
| 4000 x 1250 x 2.0 | 27.17                 |
| 4000 x 1500 x 2.0 | 32.60                 |
| 4000 x 2000 x 2.0 | 43.79                 |
| 2000 x 1000 x 2.5 | 13.60                 |
| 2500 x 1250 x 2.5 | 21.20                 |
| 3000 x 1500 x 2.5 | 30.50                 |
| 2000 x 1000 x 3.0 | 16.30                 |
| 2500 x 1250 x 3.0 | 25.40                 |
| 3000 x 1000 x 3.0 | 24.40                 |
| 3000 x 1250 x 3.0 | 30.50                 |
| 3000 x 1500 x 3.0 | 36.60                 |
| 3000 x 2000 x 3.0 | 48.78                 |
| 4000 x 1000 x 3.0 | 32.53                 |
| 4000 x 1250 x 3.0 | 40.66                 |
| 4000 x 1500 x 3.0 | 48.80                 |
| 4000 x 2000 x 3.0 | 65.00                 |
| 3000 x 1500 x 4.0 | 48.28                 |

## Sheet

ALLOYS: 5083-H111  
5083-H111/O

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 2   | 10.84                 |
| 2000 x 1000 x 3   | 16.26                 |
| 2500 x 1250 x 1.5 | 12.70                 |
| 2500 x 1250 x 2   | 16.93                 |
| 2500 x 1250 x 2.5 | 21.17                 |
| 2500 x 1250 x 3   | 25.40                 |
| 2500 x 1250 x 8   | 67.75                 |

| Size (mm)        | Weight per sheet (Kg) |
|------------------|-----------------------|
| 3000 x 1500 x 2  | 24.39                 |
| 3000 x 1500 x 3  | 36.58                 |
| 3000 x 1500 x 4  | 48.78                 |
| 3000 x 1500 x 6  | 73.17                 |
| 3020 x 1520 x 12 | 149.27                |
| 3020 x 1520 x 15 | 182.92                |

Some sheet can be supplied polycoated on 1 or 2 sides. Please check with your local service centre.

## Sheet

### OTHER ALLOYS

| Size (mm)          | Alloys > | 5251-H22 | 3103-H14 | 6082-T6 |
|--------------------|----------|----------|----------|---------|
| 2500 x 1250 x 0.5  |          | ✓        |          | ✓       |
| 2000 x 1000 x 0.6  |          | ✓        |          | ✓       |
| 2500 x 1250 x 0.7  |          | ✓        |          | ✓       |
| 2000 x 1000 x 1.0  |          | ✓        | ✓        | ✓       |
| 2500 x 1250 x 1.0  |          | ✓        | ✓        | ✓       |
| 3000 x 1250 x 1.0  |          | ✓        |          | ✓       |
| 2000 x 1000 x 1.2  |          | ✓        | ✓        | ✓       |
| 2500 x 1250 x 1.2  |          | ✓        | ✓        | ✓       |
| 3000 x 1500 x 1.2  |          |          |          |         |
| 2000 x 1000 x 1.5  |          | ✓        | ✓        | ✓       |
| 2500 x 1250 x 1.5  |          | ✓        | ✓        | ✓       |
| 3000 x 1250 x 1.5  |          | ✓        |          | ✓       |
| 3000 x 1500 x 1.5  |          | ✓        |          |         |
| 2000 x 1000 x 1.9  |          | ✓        |          | ✓       |
| 2000 x 1000 x 2.0  |          | ✓        |          | ✓       |
| 2500 x 1250 x 2.0  |          | ✓        | ✓        | ✓       |
| 3000 x 1250 x 2.0  |          | ✓        |          | ✓       |
| 3000 x 1500 x 2.0  |          | ✓        |          |         |
| 2000 x 1000 x 2.5  |          | ✓        |          | ✓       |
| 2500 x 1250 x 2.5  |          | ✓        |          | ✓       |
| 2438 x 1219 x 2.83 |          |          |          |         |
| 2000 x 1000 x 3.0  |          | ✓        |          | ✓       |
| 2500 x 1250 x 3.0  |          | ✓        | ✓        | ✓       |
| 3000 x 1250 x 3.0  |          | ✓        | ✓        | ✓       |
| 3000 x 1500 x 3.0  |          | ✓        |          |         |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 0.7 | 5.9                   |
| 2500 x 1250 x 0.9 | 7.6                   |
| 2500 x 1250 x 1.0 | 8.5                   |
| 3000 x 1500 x 1.0 | 12.3                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 1.2 | 10.2                  |
| 2500 x 1250 x 1.5 | 12.8                  |
| 3000 x 1500 x 1.5 | 18.5                  |
| 2500 x 1250 x 1.8 | 15.6                  |

## Sheet White Painted

3105-H46, 3003-H45

FULL WHITE GLOSS

CLEAR WASH COAT

LACQUER REVERSE

50 MICRON POLYCOATED

## Patterned Sheet

### Five Bar Treadplate

ALLOY: 5754-H114

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 1.5 | 13.3                  |
| 2000 x 1000 x 2   | 11.3                  |
| 2500 x 1250 x 2   | 18.7                  |
| 3000 x 1500 x 2   | 26.8                  |
| 2000 x 1000 x 3   | 17.3                  |
| 2500 x 1250 x 3   | 27.0                  |
| 3000 x 1500 x 3   | 38.9                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 4.5 | 25.0                  |
| 2500 x 1250 x 4.5 | 39.1                  |
| 3000 x 1500 x 4.5 | 56.3                  |
| 2000 x 1000 x 6   | 34.0                  |
| 2500 x 1250 x 6   | 51.7                  |
| 3000 x 1500 x 6   | 74.3                  |
| 2500 x 1250 x 9.5 | 84.3                  |

## Stucco

ALLOY: 1050-H14

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 0.5 | 2.74                  |
| 2500 x 1250 x 0.5 | 4.28                  |
| 2000 x 1000 x 0.6 | 3.28                  |
| 2500 x 1250 x 0.6 | 5.14                  |
| 2000 x 1000 x 0.7 | 3.84                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 0.7 | 5.99                  |
| 2000 x 1000 x 0.8 | 4.38                  |
| 2500 x 1250 x 0.8 | 6.84                  |
| 2500 x 1250 x 1.0 | 8.50                  |
| 2500 x 1250 x 1.2 | 10.00                 |

## Propeller\*

ALLOY: 3003

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 1.5 | 14.0                  |
| 2500 x 1250 x 2.0 | 18.0                  |
| 2500 x 1250 x 3.0 | 28.0                  |

\* Propeller pattern also available up to 6mm thick

## Triple Grip

ALLOY: 5052 H32

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 1.5 | 13.9                  |
| 2500 x 1250 x 2.0 | 18.1                  |
| 2500 x 1250 x 3.0 | 26.6                  |



| Size (mm)          | Weight per sheet (Kg) |
|--------------------|-----------------------|
| 2000 x 1000 x 4.0  | 21.6                  |
| 2500 x 1250 x 4.0  | 33.9                  |
| 2000 x 1000 x 5.0  | 27.0                  |
| 2500 x 1250 x 5.0  | 42.3                  |
| 2000 x 1000 x 6.0  | 32.8                  |
| 2500 x 1250 x 6.0  | 50.8                  |
| 2500 x 1250 x 8.0  | 67.8                  |
| 2500 x 1250 x 10.0 | 84.3                  |
| 2500 x 1250 x 12.0 | 102.3                 |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 4.0 | 33.9                  |
| 2000 x 1000 x 5.0 | 27.1                  |
| 2500 x 1250 x 5.0 | 42.3                  |
| 3000 x 1500 x 5.0 | 61.2                  |
| 2000 x 1000 x 6.0 | 32.5                  |
| 2500 x 1250 x 6.0 | 50.8                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 4.0 | 21.8                  |
| 2500 x 1250 x 4.0 | 33.9                  |
| 3000 x 1500 x 4.0 | 49.0                  |
| 2000 x 1000 x 5.0 | 27.1                  |
| 3000 x 1500 x 5.0 | 61.2                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 5.0 | 42.3                  |
| 2000 x 1000 x 6.0 | 32.7                  |
| 2500 x 1250 x 6.0 | 50.8                  |
| 3000 x 1500 x 6.0 | 73.2                  |

| Size (mm)          | Weight per sheet (Kg) |
|--------------------|-----------------------|
| 2500 x 1250 x 4.0  | 33.9                  |
| 2500 x 1250 x 5.0  | 42.3                  |
| 2500 x 1250 x 6.0  | 50.8                  |
| 2500 x 1250 x 8.0  | 67.4                  |
| 2500 x 1250 x 10.0 | 84.3                  |
| 2500 x 1250 x 12.0 | 102.3                 |
| 2500 x 1250 x 15.0 | 126.4                 |
| 2500 x 1250 x 20.0 | 168.5                 |
| 2500 x 1250 x 25.0 | 210.7                 |

## Shate & Plate

ALLOY: 6082-T6

## Shate

ALLOY: 1050

## Shate

ALLOY: 5251

## Shate & Plate

ALLOY: 5083

## Plate

4000 x 2000mm

3000 x 1500mm

2500 x 1250mm

Plate can also be cut to customer requirements

| Size (mm) | Alloys > 6082 T6 | 5083 O |
|-----------|------------------|--------|
| 3.0       | ✓                | ✓      |
| 4.0       | ✓                | ✓      |
| 5.0       | ✓                | ✓      |
| 6.0       | ✓                | ✓      |
| 6.35      | ✓                |        |
| 8.0       | ✓                | ✓      |
| 9.53      | ✓                | ✓      |
| 10.0      | ✓                | ✓      |
| 12.0      | ✓                | ✓      |
| 12.7      | ✓                | ✓      |
| 15.0      | ✓                | ✓      |
| 15.88     | ✓                | ✓      |
| 16.0      | ✓                | ✓      |
| 19.05     | ✓                | ✓      |
| 20.0      | ✓                | ✓      |
| 22.22     | ✓                | ✓      |
| 25.0      | ✓                | ✓      |
| 25.4      | ✓                | ✓      |
| 30.0      | ✓                | ✓      |
| 31.75     | ✓                | ✓      |
| 35.0      | ✓                |        |

| Size (mm) | Alloys > 6082 T6 | 5083 O |
|-----------|------------------|--------|
| 38.1      | ✓                | ✓      |
| 40.0      | ✓                | ✓      |
| 44.45     | ✓                | ✓      |
| 50.8      | ✓                | ✓      |
| 57.15     | ✓                |        |
| 60.0      | ✓                |        |
| 63.5      | ✓                | ✓      |
| 69.85     | ✓                |        |
| 76.2      | ✓                | ✓      |
| 82.55     | ✓                |        |
| 88.9      | ✓                | ✓      |
| 101.6     | ✓                | ✓      |
| 114.3     | ✓                | ✓      |
| 127.0     | ✓                | ✓      |
| 152.4     | ✓                | ✓      |
| 177.8     | ✓                |        |
| 200.0     | ✓                |        |
| 203.2     | ✓                |        |
| 228.6     | ✓                |        |
| 254.0     | ✓                |        |
| 305.0     | ✓                |        |

## Plate 3.2 Certification

ALLOYS: 5083-H321

5083-H111

| Size (mm)        | Weight per sheet (Kg) | Alloys > 5083 H321 | 5083 H111 |
|------------------|-----------------------|--------------------|-----------|
| 4000 x 2000 x 3  | 65.04                 | ✓                  | ✓         |
| 4000 x 2000 x 4  | 86.72                 | ✓                  | ✓         |
| 4000 x 2000 x 5  | 108.40                | ✓                  | ✓         |
| 4000 x 2000 x 6  | 130.08                | ✓                  | ✓         |
| 4000 x 2000 x 7  | 151.76                | ✓                  | ✓         |
| 4000 x 2000 x 8  | 173.44                | ✓                  | ✓         |
| 4000 x 2000 x 10 | 216.80                | ✓                  | ✓         |
| 4000 x 2000 x 12 | 260.16                | ✓                  | ✓         |
| 4000 x 2000 x 15 | 325.20                | ✓                  | ✓         |
| 4000 x 2000 x 20 | 433.60                | ✓                  | ✓         |
| 4000 x 2000 x 25 | 542.00                | ✓                  | ✓         |

| Size (mm)        | Weight per sheet (Kg) | Alloys > | 5083 H321 | 5083 H111 |
|------------------|-----------------------|----------|-----------|-----------|
| 6000 x 2000 x 3  | 97.56                 |          | ✓         | ✓         |
| 6000 x 2000 x 4  | 130.08                |          | ✓         | ✓         |
| 6000 x 2000 x 5  | 162.60                |          | ✓         | ✓         |
| 6000 x 2000 x 6  | 195.12                |          | ✓         | ✓         |
| 6000 x 2000 x 7  | 227.64                |          | ✓         | ✓         |
| 6000 x 2000 x 8  | 260.16                |          | ✓         | ✓         |
| 6000 x 2000 x 10 | 325.20                |          | ✓         | ✓         |
| 6000 x 2000 x 12 | 390.24                |          | ✓         | ✓         |
| 6000 x 2000 x 15 | 487.80                |          | ✓         | ✓         |
| 6000 x 2000 x 20 | 650.40                |          | ✓         | ✓         |
| 6000 x 2000 x 25 | 813.00                |          | ✓         | ✓         |
| 6000 x 2000 x 30 | 975.60                |          | ✓         | ✓         |
| 6000 x 2000 x 40 | 1300.80               |          | ✓         | ✓         |

| Size (mm) | Alloys > | 6082 T6 | 5083 O | 2014 |
|-----------|----------|---------|--------|------|
| 3.0       |          | ✓       | ✓      |      |
| 4.0       |          | ✓       | ✓      |      |
| 5.0       |          | ✓       | ✓      |      |
| 6.0       |          | ✓       | ✓      |      |
| 6.35      |          | ✓       |        |      |
| 8.0       |          | ✓       | ✓      |      |
| 9.53      |          | ✓       | ✓      |      |
| 10.0      |          | ✓       | ✓      |      |
| 12.0      |          | ✓       | ✓      |      |
| 12.7      |          | ✓       | ✓      |      |
| 15.0      |          | ✓       | ✓      |      |
| 15.88     |          | ✓       | ✓      | ✓    |
| 16.0      |          | ✓       | ✓      |      |
| 19.05     |          | ✓       | ✓      | ✓    |
| 20.0      |          | ✓       | ✓      | ✓    |
| 22.23     |          | ✓       | ✓      |      |
| 25.0      |          | ✓       | ✓      | ✓    |
| 25.4      |          | ✓       | ✓      | ✓    |
| 30.0      |          | ✓       | ✓      | ✓    |
| 31.75     |          | ✓       | ✓      | ✓    |
| 35.0      |          | ✓       |        |      |
| 38.1      |          | ✓       | ✓      | ✓    |

| Size (mm) | Alloys > | 6082 T6 | 5083 O | 2014 |
|-----------|----------|---------|--------|------|
| 40.0      |          | ✓       | ✓      |      |
| 44.45     |          | ✓       | ✓      | ✓    |
| 50.8      |          | ✓       | ✓      | ✓    |
| 57.15     |          | ✓       | ✓      | ✓    |
| 60.0      |          | ✓       |        |      |
| 63.5      |          | ✓       | ✓      | ✓    |
| 69.85     |          | ✓       | ✓      | ✓    |
| 76.2      |          | ✓       | ✓      | ✓    |
| 82.55     |          | ✓       |        |      |
| 88.9      |          | ✓       | ✓      | ✓    |
| 101.6     |          | ✓       | ✓      | ✓    |
| 114.3     |          | ✓       | ✓      | ✓    |
| 127.0     |          | ✓       | ✓      | ✓    |
| 139.7     |          | ✓       |        |      |
| 152.4     |          | ✓       | ✓      | ✓    |
| 165.1     |          | ✓       |        |      |
| 177.8     |          | ✓       |        |      |
| 200.0     |          | ✓       |        |      |
| 203.2     |          | ✓       |        |      |
| 228.6     |          | ✓       |        |      |
| 254.0     |          | ✓       |        |      |
| 305.0     |          | ✓       |        |      |

## Plate

### 3.2 Certification (continued...)

ALLOYS: 5083-H321  
5083-H111

## Plate

ALLOYS: 6082  
ROLLED 5083  
2014 PLATE

Plate can also be cut to customer requirements

## Triplate®

| Size (mm)      | Weight per length (Kg) |
|----------------|------------------------|
| 3800 x 16 x 34 | 12.12                  |
| 3800 x 20 x 34 | 15.16                  |
| 3800 x 25 x 34 | 18.95                  |
| 3800 x 30 x 27 | 17.54                  |

3.1 certification unless requested otherwise.

3.2 Lloyds available upon request at time of production.



## Honeycomb Panels

| Size (mm)                  | Weight per sheet (Kg) |
|----------------------------|-----------------------|
| 2500 x 1250 x 5 KAPATECH®  | 5.06                  |
| 2500 x 1250 x 6            | 14.69                 |
| 2500 x 1250 x 10           | 15.63                 |
| 2500 x 1250 x 10 KAPATECH® | 6.06                  |
| 2500 x 1250 x 15           | 20.93                 |
| 2500 x 1250 x 20           | 21.88                 |
| 2500 x 1250 x 25           | 22.81                 |
| 3125 x 1500 x 6            | 22.03                 |
| 3125 x 1500 x 10           | 23.44                 |
| 3125 x 1500 x 15           | 31.40                 |
| 3050 x 1500 x 20           | 32.02                 |
| 3125 x 1250 x 20           | 27.34                 |
| 3125 x 1250 x 25           | 28.51                 |
| 3000 x 1500 x 25           | 32.85                 |
| 6250 x 1250 x 6            | 36.72                 |
| 6250 x 1500 x 6            | 44.06                 |
| 6250 x 1500 x 10           | 46.88                 |
| 6250 x 1500 x 15           | 62.81                 |
| 6250 x 1250 x 20           | 54.68                 |
| 6250 x 1500 x 20           | 65.63                 |

| Diameter | Thickness | Weight each (Kg) |
|----------|-----------|------------------|
| 125mm    | 0.9mm     | 0.030            |
| 155mm    | 0.9mm     | 0.046            |
| 180mm    | 0.9mm     | 0.062            |
| 190mm    | 0.9mm     | 0.069            |
| 215mm    | 0.9mm     | 0.089            |
| 220mm    | 0.9mm     | 0.093            |
| 225mm    | 0.9mm     | 0.097            |
| 320mm    | 0.9mm     | 0.196            |
| 345mm    | 0.9mm     | 0.228            |
| 240mm    | 1.2mm     | 0.147            |
| 300mm    | 1.2mm     | 0.230            |
| 305mm    | 1.2mm     | 0.238            |
| 320mm    | 1.2mm     | 0.262            |
| 330mm    | 1.2mm     | 0.278            |
| 365mm    | 1.2mm     | 0.340            |
| 380mm    | 1.2mm     | 0.369            |
| 470mm    | 1.2mm     | 0.565            |
| 620mm    | 1.2mm     | 0.983            |

## Quarter Hard Circles

I200-H12

| Diameter | Thickness | Weight each (Kg) |
|----------|-----------|------------------|
| 180mm    | 1.2mm     | 0.083            |
| 205mm    | 1.2mm     | 0.107            |
| 240mm    | 1.2mm     | 0.147            |
| 250mm    | 1.2mm     | 0.160            |
| 270mm    | 1.2mm     | 0.186            |
| 280mm    | 1.2mm     | 0.200            |
| 300mm    | 1.2mm     | 0.230            |
| 305mm    | 1.2mm     | 0.238            |
| 330mm    | 1.2mm     | 0.278            |
| 360mm    | 1.2mm     | 0.331            |
| 380mm    | 1.2mm     | 0.369            |
| 390mm    | 1.2mm     | 0.389            |
| 400mm    | 1.2mm     | 0.409            |
| 405mm    | 1.2mm     | 0.419            |
| 420mm    | 1.2mm     | 0.451            |
| 490mm    | 1.2mm     | 0.614            |
| 550mm    | 1.2mm     | 0.773            |
| 570mm    | 1.2mm     | 0.830            |
| 600mm    | 1.2mm     | 0.920            |
| 620mm    | 1.2mm     | 0.983            |

## Soft Circles

I200-0



## Soft Circles (continued...)

I200-0

| Diameter | Thickness | Weight each (Kg) |
|----------|-----------|------------------|
| 210mm    | 1.6mm     | 0.150            |
| 240mm    | 1.6mm     | 0.196            |
| 260mm    | 1.6mm     | 0.230            |
| 265mm    | 1.6mm     | 0.239            |
| 295mm    | 1.6mm     | 0.297            |
| 305mm    | 1.6mm     | 0.317            |
| 330mm    | 1.6mm     | 0.371            |
| 375mm    | 1.6mm     | 0.479            |
| 390mm    | 1.6mm     | 0.518            |
| 430mm    | 1.6mm     | 0.630            |
| 545mm    | 1.6mm     | 1.012            |
| 610mm    | 1.6mm     | 1.268            |
| 650mm    | 1.6mm     | 1.440            |
| 680mm    | 1.6mm     | 1.576            |
| 300mm    | 2.0mm     | 0.383            |
| 320mm    | 2.0mm     | 0.436            |
| 340mm    | 2.0mm     | 0.492            |
| 390mm    | 2.0mm     | 0.648            |
| 410mm    | 2.0mm     | 0.716            |
| 440mm    | 2.0mm     | 0.825            |
| 460mm    | 2.0mm     | 0.901            |
| 495mm    | 2.0mm     | 1.043            |
| 530mm    | 2.0mm     | 1.197            |
| 550mm    | 2.0mm     | 1.289            |
| 580mm    | 2.0mm     | 1.433            |
| 270mm    | 2.5mm     | 0.388            |
| 290mm    | 2.5mm     | 0.448            |
| 305mm    | 2.5mm     | 0.496            |
| 380mm    | 2.5mm     | 0.769            |
| 465mm    | 2.5mm     | 1.151            |
| 560mm    | 2.5mm     | 1.670            |
| 345mm    | 3.0mm     | 0.761            |

| Thickness<br>(mm) | 1050<br>H14<br>/H24 | 1050<br>H111/O | 1060<br>O | 3103<br>H14<br>/H24 | 5251<br>H12<br>/H22 | 5754<br>H12<br>/H22 | 5754<br>H111 | 55HX | 1050AQ<br>H12 |
|-------------------|---------------------|----------------|-----------|---------------------|---------------------|---------------------|--------------|------|---------------|
| 0.25              | ✓                   |                |           |                     |                     |                     |              |      |               |
| 0.30              | ✓                   |                |           |                     |                     |                     |              |      |               |
| 0.38              | ✓                   |                |           |                     |                     |                     |              |      |               |
| 0.40              | ✓                   | ✓              | ✓         |                     |                     |                     |              |      |               |
| 0.45              |                     | ✓              |           |                     |                     |                     |              |      |               |
| 0.46              | ✓                   |                |           |                     |                     |                     |              |      |               |
| 0.50              | ✓                   | ✓              |           |                     | ✓                   |                     |              |      |               |
| 0.56              | ✓                   |                |           |                     |                     |                     |              |      |               |
| 0.60              | ✓                   | ✓              |           |                     |                     |                     |              |      |               |
| 0.70              | ✓                   | ✓              |           |                     | ✓                   |                     |              |      |               |
| 0.80              | ✓                   | ✓              |           |                     |                     |                     |              |      |               |
| 0.90              | ✓                   |                |           |                     | ✓                   |                     |              |      |               |
| 1.00              | ✓                   |                |           |                     | ✓                   | ✓                   | ✓            | ✓    |               |
| 1.20              | ✓                   | ✓              |           | ✓                   | ✓                   |                     |              |      |               |
| 1.50              | ✓                   | ✓              |           | ✓                   | ✓                   |                     |              | ✓    |               |
| 1.60              |                     |                |           |                     | ✓                   |                     |              |      |               |
| 2.00              | ✓                   | ✓              |           | ✓                   | ✓                   | ✓                   | ✓            | ✓    | ✓             |
| 2.50              | ✓                   |                |           |                     |                     | ✓                   |              | ✓    |               |
| 3.00              | ✓                   | ✓              |           | ✓                   | ✓                   | ✓                   | ✓            | ✓    | ✓             |

## Coil

MILL FINISH

## Coil Processing Capabilities

ALUMINIUM

STAINLESS STEEL

STEEL (Plain &amp; Pre-Painted)

COPPER

BRASS

BRONZE

ZINC

TITANIUM

### SLIT COIL RANGE

- Gauge: 0.18mm > 3mm
- Width: 13mm > 1290mm
- Tolerance:  $\pm 0.10$ mm

### PRECISION FLAT BLANKS

- Gauge: 0.25mm > 3mm
- Width: 50mm > 1000mm
- Length: 150mm > 3000mm
- Tolerance  $\pm 0.25$ mm up to  $\pm 1$ mm

### CUT TO LENGTH SHEETS

- Gauge: 0.25mm > 3mm
- Width: 300mm > 1650mm
- Length: 300mm > 12000mm
- Tolerance  $\pm 1$ mm

## TruGuard®

### SECURITY FENCING



TruGuard® is a commercial perimeter security anti-climb fence spike system for use across commercial, industrial, utility, transport, prisons and schools.

Whether deterrent or security, TruGuard® works to prevent any unauthorised access to property or premises susceptible to trespass, theft or vandalism.

Manufactured in a strong, durable alloy, to ISO9001, TruGuard® is designed for reliability and durability. Each system component is rigorously tested to ensure a robust performance in service, and is engineered for easy install.

TruGuard® rotating anti climb systems offer long lasting, maintenance free performance and peace of mind.

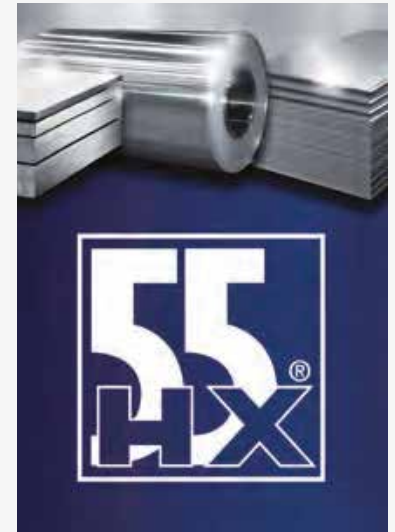
For further information please visit [www.truguard.co.uk](http://www.truguard.co.uk) or to discuss your requirements please contact your local Righton Blackburns service centre.



| Size (mm)         | Finish > | MILL FINISH with PCI | ANODISED NATURAL (10 micron) | ANODISED NATURAL (15 micron) |
|-------------------|----------|----------------------|------------------------------|------------------------------|
| 2000 x 1000 x 1   |          | ✓                    | ✓                            | ✓                            |
| 2000 x 1000 x 1.5 |          | ✓                    | ✓                            | ✓                            |
| 2000 x 1000 x 2   |          | ✓                    | ✓                            | ✓                            |
| 2000 x 1000 x 2.5 |          |                      | ✓                            |                              |
| 2000 x 1000 x 3   |          | ✓                    | ✓                            | ✓                            |
| 2000 x 1000 x 4   |          | ✓                    |                              | ✓                            |
| 2000 x 1000 x 5   |          | ✓                    |                              |                              |
| 2500 x 1250 x 1   |          | ✓                    | ✓                            | ✓                            |
| 2500 x 1250 x 2   |          | ✓                    | ✓                            | ✓                            |
| 3000 x 1250 x 2   |          | ✓                    |                              | ✓                            |
| 2500 x 1250 x 3   |          | ✓                    | ✓                            | ✓                            |
| 3000 x 1250 x 3   |          | ✓                    |                              | ✓                            |
| 3000 x 1500 x 1   |          | ✓                    | ✓                            | ✓                            |
| 3000 x 1500 x 1.5 |          | ✓                    | ✓                            | ✓                            |
| 3000 x 1500 x 2   |          | ✓                    | ✓                            | ✓                            |
| 3000 x 1500 x 3   |          | ✓                    | ✓                            | ✓                            |
| 3500 x 1500 x 3   |          | ✓                    |                              |                              |
| 4000 x 1500 x 2   |          | ✓                    |                              | ✓                            |
| 4000 x 1500 x 3   |          | ✓                    |                              | ✓                            |
| 1000 x 1.5mm Coil |          | ✓                    |                              |                              |
| 1250 x 1.5mm Coil |          | ✓                    |                              |                              |
| 1000 x 2mm Coil   |          | ✓                    |                              |                              |
| 1250 x 2mm Coil   |          | ✓                    |                              |                              |
| 1500 x 2mm Coil   |          | ✓                    |                              |                              |
| 1250 x 2.5mm Coil |          | ✓                    |                              |                              |
| 1000 x 3mm Coil   |          | ✓                    |                              |                              |
| 1250 x 3mm Coil   |          | ✓                    |                              |                              |
| 1500 x 3mm Coil   |          | ✓                    |                              |                              |

**55HX®**

**PREMIUM ANODISING  
QUALITY ALUMINIUM**



Righton Blackburns is the UK approved processor and distributor for 55HX®, a high quality, high performance aluminium for interior and exterior applications.

55HX® composition and surface quality ensure it is especially suitable for decorative anodisation, with a large array of processing options and finishes providing additional creative freedom. 55HX® is ideal for facades, cladding, ceilings, walls and showcase designs and comes in a range of forms, sizes and gauges.

## Pre-anodised Products

### Architectural and surface design

#### INTERIOR APPLICATIONS

Pre-anodised products are suitable for many interior applications where aesthetics, durability and distinctive interior décor is required. These include ceiling systems, panelling, partitions, framing and work surfaces.

One such innovative product is Alumaplus, which is a stainless steel look alike with one third of the weight of stainless steel. Alumaplus has greater finger print resistance, forms to tighter tolerances and has higher formability than stainless steel. These attributes make Alumaplus an ideal alternative in many architectural and surface design applications, such as kitchens, washrooms, reception areas, point of display and medical display areas.

#### EXTERIOR APPLICATIONS

Pre-anodised aluminium is not limited to interior design and provides excellent opportunities for cladding, roof finishes and trims and has been used widely in both commercial and domestic architectural and design applications throughout the world.

#### AVAILABILITY

Righton Blackburns have available from stock, a wide range of colours and finishes from bright to special finishes, including patterned and coloured anodised coil.

Our in-house process centre has the ability to slit and cut to length to the bespoke sizes specified by the customer.

## Pre-anodised Sheet

5005 AQ  
1050 AQ HI2

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 1.5 | 12.7                  |
| 2500 x 1250 x 2.0 | 16.9                  |
| 2500 x 1250 x 3.0 | 25.4                  |

## The leading supplier of sublimation aluminium

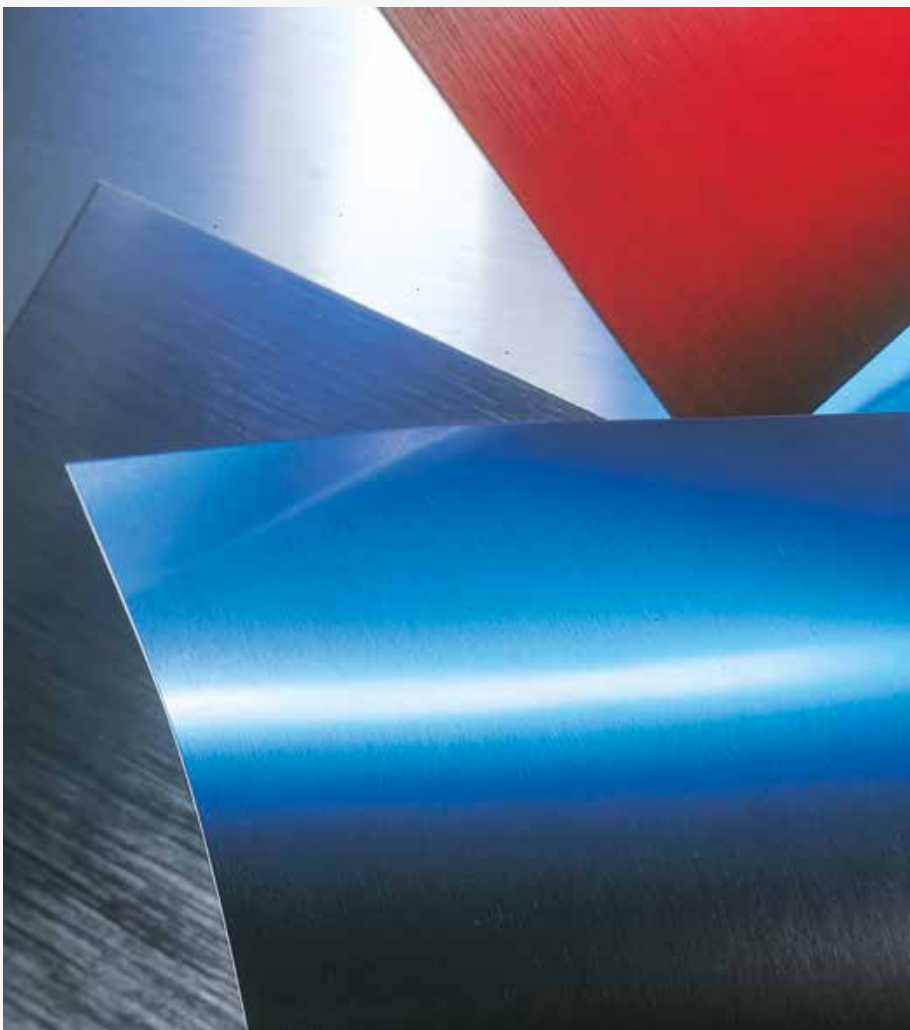
For many in the architectural and interior design sectors, sublimation products are a totally new concept, although sublimation printing is a familiar term within the printing industry.

So what is sublimation printing? It is a procedure of transferring full colour graphics or photographs onto a wide selection of products. These include metals, ceramics and unsub plastics and glass items all specially pre-coated and therefore sublimation receptive.

Our focus is aluminium and we are the leading supplier of sublimation aluminium in the UK and many worldwide markets, through key distribution customers.

We believe the opportunities for aluminium sublimation offer interior designers in particular, an innovative opportunity to apply bespoke designs and photographs onto aluminium panels for interior décor.

## Sublimation





**RIGHTON  
BLACKBURNS**  
METALS AND PLASTICS

# Stainless Steel



# Stainless Steel

Righton Blackburns have been supplying industry with metal products such as aluminium, stainless steel, brass, copper and other non-ferrous semi-finished products for over thirty years, building a reputation for quality and service with its many customers in diverse market sectors.

As stainless steel is hugely versatile with unique properties it is an exceptional material for use in many applications. Our range of stainless steel products includes bar, extrusion, sheet, tube, pipe, fittings and handrail.

We offer a complete range of fabrication and processing services including machining bar, pipe and tube cutting throughout our nationwide network of service centres.

|  |    |
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## Round Bar

I.4305 (303S31)  
BRIGHT DRAWN H9

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 2mm      | 0.02                  |
| 3mm      | 0.06                  |
| 1/8      | 0.06                  |
| 4mm      | 0.10                  |
| 3/16     | 0.14                  |
| 5mm      | 0.16                  |
| 7/32     | 0.19                  |
| 6mm      | 0.22                  |
| 1/4      | 0.25                  |
| 7mm      | 0.30                  |
| 9/32     | 0.31                  |
| 5/16     | 0.39                  |
| 8mm      | 0.40                  |
| 9mm      | 0.50                  |
| 3/8      | 0.56                  |
| 10mm     | 0.62                  |
| 7/16     | 0.77                  |
| 12mm     | 0.89                  |

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 1/2      | 1.00                  |
| 13mm     | 1.04                  |
| 9/16     | 1.22                  |
| 14mm     | 1.22                  |
| 15mm     | 1.40                  |
| 5/8      | 1.56                  |
| 16mm     | 1.59                  |
| 17mm     | 1.78                  |
| 11/16    | 1.89                  |
| 18mm     | 2.01                  |
| 3/4      | 2.25                  |
| 20mm     | 2.48                  |
| 22mm     | 3.00                  |
| 7/8      | 3.07                  |
| 24mm     | 3.57                  |
| 25mm     | 3.88                  |
| 1        | 4.03                  |

## Round Bar

I.4305 (303S31)  
SMOOTH TURNED H9/H10  
\* BRIGHT GROUND H8/H9

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 25mm*    | 3.88                  |
| 1        | 4.03                  |
| 26mm     | 4.17                  |
| 27mm     | 4.50                  |
| 28mm     | 4.83                  |
| 1 1/8    | 5.07                  |
| 30mm*    | 5.58                  |
| 1 1/4    | 6.25                  |
| 32mm     | 6.31                  |
| 1 3/8    | 7.57                  |
| 35mm     | 7.60                  |
| 1 1/2    | 9.01                  |
| 40mm     | 9.93                  |
| 1 5/8    | 10.60                 |

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 1 3/4    | 12.20                 |
| 45mm     | 12.56                 |
| 1 7/8    | 14.10                 |
| 50mm*    | 15.50                 |
| 2        | 16.00                 |
| 2 1/8    | 18.10                 |
| 2 1/4    | 20.30                 |
| 60mm     | 22.30                 |
| 2 3/8    | 22.60                 |
| 2 1/2    | 25.00                 |
| 2 5/8    | 27.60                 |
| 2 3/4    | 30.30                 |
| 3        | 36.00                 |

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 3¼       | 42.90                 |
| 3½       | 49.80                 |
| 3¾       | 57.10                 |
| 4        | 65.00                 |
| 4¼       | 73.40                 |
| 4½       | 82.30                 |
| 4¾       | 91.70                 |
| 5        | 102.00                |

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 5¼       | 110.00                |
| 5½       | 123.00                |
| 6        | 146.00                |
| 6½       | 168.00                |
| 6¾       | 181.00                |
| 7        | 199.00                |
| 7½       | 224.00                |
| 8        | 255.00                |

## Round Bar

I.4305 (303S31)  
PEELED K12/K16

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 2mm      | 0.02                  |
| 3mm      | 0.06                  |
| ¼        | 0.06                  |
| 4mm      | 0.10                  |
| ⅜        | 0.14                  |
| 5mm      | 0.16                  |
| 6mm      | 0.22                  |
| ¼        | 0.25                  |
| ⅝        | 0.39                  |
| 8mm      | 0.40                  |
| ¾        | 0.56                  |
| 10mm     | 0.62                  |

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| ⅞        | 0.77                  |
| 12mm     | 0.89                  |
| ½        | 1.00                  |
| ⅞        | 1.27                  |
| 15mm     | 1.40                  |
| ⅝        | 1.56                  |
| 1⅞       | 1.89                  |
| ¾        | 2.25                  |
| 20mm     | 2.48                  |
| ⅞        | 3.07                  |
| 25mm     | 3.88                  |
| 1        | 4.03                  |

## Round Bar

I.4301 (304S31)  
BRIGHT DRAWN H9

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 25mm     | 3.88                  |
| 1        | 4.03                  |
| 1⅞       | 5.07                  |
| 30mm     | 5.58                  |
| 1¼       | 6.25                  |
| 1⅜       | 7.57                  |
| 1½       | 9.01                  |
| 40mm     | 9.93                  |
| 1⅝       | 10.60                 |

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 1¾       | 12.20                 |
| 50mm     | 15.50                 |
| 2        | 16.00                 |
| 2¼       | 20.30                 |
| 60mm     | 22.30                 |
| 2½       | 25.00                 |
| 2¾       | 30.30                 |
| 3        | 36.00                 |

## Round Bar

I.4301 (304S31)  
SMOOTH TURNED H9/H10

## Round Bar

I.4307 (304S11/S31)  
PEELED K12/K16

| Dia (in)                      | Weight per metre (Kg) |
|-------------------------------|-----------------------|
| 3                             | 36.00                 |
| 3 <sup>1</sup> / <sub>4</sub> | 42.90                 |
| 3 <sup>1</sup> / <sub>2</sub> | 49.80                 |
| 3 <sup>3</sup> / <sub>4</sub> | 57.10                 |
| 4                             | 65.00                 |
| 4 <sup>1</sup> / <sub>4</sub> | 73.40                 |
| 4 <sup>1</sup> / <sub>2</sub> | 82.30                 |
| 5                             | 102.00                |
| 5 <sup>1</sup> / <sub>4</sub> | 111.98                |
| 5 <sup>1</sup> / <sub>2</sub> | 123.00                |
| 5 <sup>3</sup> / <sub>4</sub> | 134.00                |
| 6                             | 146.00                |

| Dia (in)                      | Weight per metre (Kg) |
|-------------------------------|-----------------------|
| 6 <sup>1</sup> / <sub>2</sub> | 172.00                |
| 7                             | 199.00                |
| 7 <sup>1</sup> / <sub>2</sub> | 229.00                |
| 8                             | 260.00                |
| 8 <sup>1</sup> / <sub>2</sub> | 294.00                |
| 9                             | 329.00                |
| 10                            | 406.00                |
| 11                            | 492.00                |
| 12                            | 585.00                |
| 340mm                         | 728.00                |
| 16                            | 1040.00               |

## Round Bar

I.4404 (316S11/S31)  
BRIGHT DRAWN H9

| Dia (in)                     | Weight per metre (Kg) |
|------------------------------|-----------------------|
| 3mm                          | 0.06                  |
| <sup>1</sup> / <sub>8</sub>  | 0.06                  |
| 4mm                          | 0.10                  |
| <sup>3</sup> / <sub>16</sub> | 0.14                  |
| 5mm                          | 0.16                  |
| 6mm                          | 0.23                  |
| <sup>1</sup> / <sub>4</sub>  | 0.25                  |
| 7mm                          | 0.30                  |
| <sup>5</sup> / <sub>16</sub> | 0.39                  |
| 8mm                          | 0.40                  |
| 9mm                          | 0.50                  |
| <sup>3</sup> / <sub>8</sub>  | 0.57                  |
| 10mm                         | 0.63                  |
| <sup>7</sup> / <sub>16</sub> | 0.77                  |
| 12mm                         | 0.90                  |
| <sup>1</sup> / <sub>2</sub>  | 1.01                  |

| Dia (in)                      | Weight per metre (Kg) |
|-------------------------------|-----------------------|
| 13mm                          | 1.04                  |
| 14mm                          | 1.23                  |
| <sup>9</sup> / <sub>16</sub>  | 1.28                  |
| 15mm                          | 1.41                  |
| <sup>5</sup> / <sub>8</sub>   | 1.58                  |
| 16mm                          | 1.60                  |
| 17mm                          | 1.78                  |
| <sup>11</sup> / <sub>16</sub> | 1.91                  |
| 18mm                          | 2.03                  |
| <sup>3</sup> / <sub>4</sub>   | 2.27                  |
| 20mm                          | 2.50                  |
| 22mm                          | 2.98                  |
| <sup>7</sup> / <sub>8</sub>   | 3.09                  |
| 24mm                          | 3.60                  |
| 25mm                          | 3.91                  |
| 1                             | 4.03                  |

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 7/8      | 3.09                  |
| 25mm*    | 3.91                  |
| 1*       | 4.03                  |
| 26mm     | 4.17                  |
| 27mm     | 4.50                  |
| 28mm     | 4.83                  |
| 1 1/8*   | 5.11                  |
| 30mm*    | 5.63                  |
| 1 1/4*   | 6.30                  |
| 32mm     | 6.40                  |
| 1 3/8*   | 7.63                  |
| 35mm*    | 7.66                  |
| 1 1/2*   | 9.08                  |
| 40mm*    | 10.00                 |
| 1 5/8*   | 10.70                 |
| 1 3/4*   | 12.40                 |

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 45mm     | 12.70                 |
| 1 7/8*   | 14.20                 |
| 50mm     | 15.60                 |
| 2*       | 16.10                 |
| 2 1/8*   | 18.20                 |
| 2 1/4*   | 20.40                 |
| 60mm*    | 22.50                 |
| 2 3/8*   | 22.80                 |
| 2 1/2*   | 25.20                 |
| 65mm     | 26.05                 |
| 2 5/8    | 27.80                 |
| 70mm     | 30.22                 |
| 2 3/4*   | 30.50                 |
| 75mm     | 34.68                 |
| 3*       | 36.30                 |

## Round Bar

I.4404 (316S11/S31)

SMOOTH TURNED H9/H10

\* BRIGHT GROUND H8/H9

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 3        | 36.30                 |
| 80mm     | 39.47                 |
| 3 1/4    | 43.20                 |
| 3 1/2    | 50.20                 |
| 3 3/4    | 57.60                 |
| 4        | 65.50                 |
| 4 1/4    | 73.90                 |
| 4 1/2    | 82.90                 |
| 4 3/4    | 92.40                 |
| 5        | 102.00                |
| 5 1/4    | 113.00                |
| 5 1/2    | 123.00                |
| 5 3/4    | 135.00                |
| 6        | 147.00                |
| 6 1/4    | 160.00                |
| 6 1/2    | 173.00                |
| 6 3/4    | 181.00                |
| 7        | 201.00                |
| 185mm    | 217.00                |

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 7 1/4    | 215.00                |
| 7 1/2    | 230.00                |
| 8        | 262.00                |
| 8 1/2    | 296.00                |
| 220mm    | 307.00                |
| 9        | 332.00                |
| 9 1/2    | 370.00                |
| 10       | 409.00                |
| 10 1/2   | 451.00                |
| 11       | 495.00                |
| 11 1/2   | 526.00                |
| 12       | 590.00                |
| 12 1/2   | 621.00                |
| 13       | 672.00                |
| 340mm    | 734.00                |
| 14       | 802.00                |
| 15       | 894.00                |
| 16       | 1049.00               |

## Round Bar

I.4404 (316S11/S31)

PEELED K12/K16

## Round Bar

I.4005 (416) QT650

I.4005 (416) CONDITION P

I.4057 (431) QT800

I.4057 (431) CONDITION T

| Dia (in)        | Weight per metre (Kg) |
|-----------------|-----------------------|
| $\frac{1}{8}$   | 0.06                  |
| 4mm             | 0.10                  |
| $\frac{3}{16}$  | 0.14                  |
| 5mm             | 0.15                  |
| 6mm             | 0.22                  |
| $\frac{1}{4}$   | 0.25                  |
| $\frac{5}{16}$  | 0.39                  |
| 8mm             | 0.40                  |
| 9mm             | 0.49                  |
| $\frac{3}{8}$   | 0.56                  |
| 10mm            | 0.62                  |
| $\frac{7}{16}$  | 0.76                  |
| 12mm            | 0.89                  |
| $\frac{1}{2}$   | 0.99                  |
| 14mm            | 1.21                  |
| $\frac{9}{16}$  | 1.26                  |
| $\frac{5}{8}$   | 1.55                  |
| 16mm            | 1.58                  |
| $1\frac{1}{16}$ | 1.88                  |
| $\frac{3}{4}$   | 2.24                  |
| 20mm            | 2.47                  |
| 22mm            | 2.98                  |
| $\frac{7}{8}$   | 3.04                  |
| 25mm            | 3.85                  |
| 1               | 3.98                  |
| $1\frac{1}{8}$  | 5.03                  |
| 30mm            | 5.55                  |

| Dia (in)       | Weight per metre (Kg) |
|----------------|-----------------------|
| $1\frac{1}{4}$ | 6.21                  |
| $1\frac{3}{8}$ | 7.47                  |
| $1\frac{1}{2}$ | 8.94                  |
| $1\frac{5}{8}$ | 10.50                 |
| $1\frac{3}{4}$ | 12.18                 |
| $1\frac{7}{8}$ | 13.98                 |
| 2              | 15.90                 |
| $2\frac{1}{8}$ | 17.96                 |
| $2\frac{1}{4}$ | 20.13                 |
| $2\frac{3}{8}$ | 22.40                 |
| $2\frac{1}{2}$ | 24.85                 |
| $2\frac{5}{8}$ | 27.39                 |
| $2\frac{3}{4}$ | 30.07                 |
| 3              | 35.76                 |
| $3\frac{1}{4}$ | 42.00                 |
| $3\frac{1}{2}$ | 48.69                 |
| $3\frac{3}{4}$ | 55.91                 |
| 4              | 63.62                 |
| $4\frac{1}{4}$ | 71.80                 |
| $4\frac{1}{2}$ | 80.50                 |
| $4\frac{3}{4}$ | 89.70                 |
| 5              | 99.40                 |
| $5\frac{1}{4}$ | 110.00                |
| $5\frac{1}{2}$ | 120.00                |
| $5\frac{3}{4}$ | 131.00                |
| 6              | 143.00                |

| Dia (in)        | Weight per metre (Kg) |
|-----------------|-----------------------|
| 3               | 36.30                 |
| $\frac{1}{8}$   | 0.06                  |
| 4mm             | 0.10                  |
| $\frac{3}{16}$  | 0.14                  |
| 5mm             | 0.15                  |
| $\frac{7}{32}$  | 0.19                  |
| 6mm             | 0.22                  |
| $\frac{1}{4}$   | 0.25                  |
| $\frac{5}{16}$  | 0.39                  |
| 8mm             | 0.40                  |
| $\frac{3}{8}$   | 0.56                  |
| 10mm            | 0.62                  |
| $\frac{7}{16}$  | 0.76                  |
| 12mm            | 0.89                  |
| $\frac{1}{2}$   | 0.99                  |
| 14mm            | 1.21                  |
| $\frac{9}{16}$  | 1.26                  |
| $\frac{5}{8}$   | 1.55                  |
| 16mm            | 1.58                  |
| $\frac{11}{16}$ | 1.88                  |
| $\frac{3}{4}$   | 2.24                  |
| 20mm            | 2.47                  |
| 22mm            | 2.98                  |
| $\frac{7}{8}$   | 3.04                  |
| 25mm            | 3.85                  |
| 1               | 3.98                  |
| $1\frac{1}{8}$  | 5.03                  |

| Dia (in)       | Weight per metre (Kg) |
|----------------|-----------------------|
| 1              | 3.98                  |
| 30mm           | 5.55                  |
| $1\frac{1}{4}$ | 6.21                  |
| 35mm           | 7.55                  |
| $1\frac{1}{2}$ | 8.94                  |
| 40mm           | 9.86                  |
| $1\frac{3}{4}$ | 12.18                 |
| 45mm           | 12.48                 |
| 50mm           | 15.41                 |

| Dia (in)       | Weight per metre (Kg) |
|----------------|-----------------------|
| 30mm           | 5.55                  |
| $1\frac{1}{4}$ | 6.21                  |
| $1\frac{3}{8}$ | 7.47                  |
| $1\frac{1}{2}$ | 8.94                  |
| $1\frac{5}{8}$ | 10.50                 |
| $1\frac{3}{4}$ | 12.18                 |
| $1\frac{7}{8}$ | 13.98                 |
| 2              | 15.90                 |
| $2\frac{1}{8}$ | 17.96                 |
| $2\frac{1}{4}$ | 20.13                 |
| $2\frac{3}{8}$ | 22.40                 |
| $2\frac{1}{2}$ | 24.85                 |
| $2\frac{5}{8}$ | 27.39                 |
| $2\frac{3}{4}$ | 30.07                 |
| 3              | 35.76                 |
| $3\frac{1}{4}$ | 42.00                 |
| $3\frac{1}{2}$ | 48.69                 |
| $3\frac{3}{4}$ | 55.91                 |
| 4              | 63.62                 |
| $4\frac{1}{4}$ | 71.80                 |
| $4\frac{1}{2}$ | 80.50                 |
| $4\frac{3}{4}$ | 89.70                 |
| 5              | 99.40                 |
| $5\frac{1}{4}$ | 110.00                |
| $5\frac{1}{2}$ | 120.00                |
| $5\frac{3}{4}$ | 131.00                |
| 6              | 143.00                |

| Dia (in)       | Weight per metre (Kg) |
|----------------|-----------------------|
| 2              | 15.19                 |
| 55mm           | 19.00                 |
| $2\frac{1}{4}$ | 20.13                 |
| 60mm           | 22.20                 |
| $2\frac{1}{2}$ | 24.85                 |
| 65mm           | 26.00                 |
| $2\frac{3}{4}$ | 30.08                 |
| 70mm           | 30.21                 |
| 3              | 35.76                 |

## Round Bar

I.454I (32IS3I)

BRIGHT DRAWN H9  
(ONLY UP TO 25MM)

1" - 3"

SMOOTH TURNED H9/H10

$3\frac{1}{4}$ " - 6"

PEELED K12/K16

## Round Bar

I.4462 F5I

DUPLEX 6M LENGTHS  
BRIGHT GROUND H9



### Round Bar

I.4462 F51  
 DUPLEX 6M LENGTHS  
 PEELED K12

| Dia (in) | Weight per metre (Kg) |
|----------|-----------------------|
| 100mm    | 61.65                 |
| 4        | 63.62                 |

### Round Bar

I.4501 F55  
 SUPER DUPLEX  
 3M-6M LENGTHS  
 PEELED K12

| Dia (in)       | Weight per metre (Kg) |
|----------------|-----------------------|
| $\frac{5}{8}$  | 1.55                  |
| $\frac{3}{4}$  | 2.24                  |
| 1              | 3.98                  |
| $1\frac{1}{4}$ | 6.21                  |
| $1\frac{1}{2}$ | 8.94                  |

| Dia (in)       | Weight per metre (Kg) |
|----------------|-----------------------|
| $1\frac{3}{4}$ | 12.18                 |
| 2              | 15.90                 |
| $2\frac{1}{4}$ | 20.13                 |
| $2\frac{1}{2}$ | 24.85                 |
| 3              | 35.76                 |

### Round Bar

XM-19  
 PEELED K12

| Dia (mm) | Weight per metre (Kg) |
|----------|-----------------------|
| 35mm     | 7.55                  |
| 45mm     | 12.48                 |

| Dia (mm) | Weight per metre (Kg) |
|----------|-----------------------|
| 50.8mm   | 15.90                 |
| 70mm     | 30.22                 |

### Round Bar

I.4542 I7-4  
 AISI 630 CONDITION A  
 I.4542 I7-4  
 AISI 630 HI 150D

| Dia (in)       | Weight per metre (Kg) |
|----------------|-----------------------|
| $\frac{3}{8}$  | 0.56                  |
| $\frac{1}{2}$  | 0.99                  |
| $\frac{5}{8}$  | 1.55                  |
| $\frac{3}{4}$  | 2.24                  |
| $\frac{7}{8}$  | 3.04                  |
| 1              | 3.98                  |
| $1\frac{1}{8}$ | 5.03                  |
| $1\frac{1}{4}$ | 6.21                  |
| $1\frac{3}{8}$ | 7.47                  |
| $1\frac{1}{2}$ | 8.94                  |
| $1\frac{5}{8}$ | 10.50                 |
| $1\frac{3}{4}$ | 12.18                 |
| 45mm           | 12.48                 |
| $1\frac{7}{8}$ | 13.98                 |
| 2              | 15.90                 |
| $2\frac{1}{8}$ | 17.96                 |
| $2\frac{1}{4}$ | 20.13                 |
| $2\frac{3}{8}$ | 22.40                 |
| $2\frac{1}{2}$ | 24.85                 |
| $2\frac{5}{8}$ | 27.39                 |
| $2\frac{3}{4}$ | 30.07                 |
| 3              | 35.76                 |
| $3\frac{1}{4}$ | 42.00                 |
| $3\frac{1}{2}$ | 48.69                 |

| Dia (in)        | Weight per metre (Kg) |
|-----------------|-----------------------|
| $3\frac{3}{4}$  | 55.91                 |
| 4               | 63.62                 |
| $4\frac{1}{4}$  | 71.80                 |
| $4\frac{1}{2}$  | 80.50                 |
| $4\frac{3}{4}$  | 89.70                 |
| 5               | 99.40                 |
| $5\frac{1}{4}$  | 110.00                |
| $5\frac{1}{2}$  | 120.00                |
| $5\frac{3}{4}$  | 133.00                |
| 6               | 143.00                |
| $6\frac{1}{4}$  | 155.00                |
| $6\frac{1}{2}$  | 168.00                |
| $6\frac{3}{4}$  | 181.00                |
| 7               | 195.00                |
| $7\frac{1}{2}$  | 224.00                |
| 8               | 255.00                |
| $8\frac{1}{2}$  | 287.00                |
| 9               | 322.00                |
| $9\frac{1}{2}$  | 359.00                |
| 10              | 397.00                |
| $10\frac{1}{2}$ | 438.00                |
| 11              | 481.00                |
| $11\frac{1}{2}$ | 526.00                |
| 12              | 572.00                |

| Diameter (in) | Weight per metre (Kg) |
|---------------|-----------------------|
| ¾             | 2.00                  |
| 1             | 4.28                  |
| 1¼            | 6.68                  |
| 1½            | 9.62                  |
| 1¾            | 13.10                 |
| 2             | 17.11                 |
| 2¼            | 21.65                 |

| Diameter (in) | Weight per metre (Kg) |
|---------------|-----------------------|
| 2½            | 36.73                 |
| 2¾            | 32.34                 |
| 3             | 38.49                 |
| 3¼            | 45.17                 |
| 3½            | 52.39                 |
| 4             | 68.43                 |

## Nickel Alloy Round Bar

ALLOY 400 NAI3 2.4360

UNS N04400

ALLOY 500 NAI8 2.4375

UNS N05500

| Size (in) | Weight per metre (Kg) |
|-----------|-----------------------|
| 0.250     | 0.27                  |
| 7mm       | 0.33                  |
| 0.312     | 0.46                  |
| 8mm       | 0.44                  |
| 0.324     | 0.46                  |
| 0.375     | 0.64                  |
| 10mm      | 0.68                  |
| 11mm      | 0.85                  |
| 0.437     | 0.85                  |
| 0.445     | 0.87                  |
| 0.500     | 1.11                  |
| 13mm      | 1.15                  |
| 0.525     | 1.21                  |
| 14mm      | 1.32                  |
| 0.562     | 1.39                  |
| 0.600     | 1.56                  |
| 0.625     | 1.71                  |
| 17mm      | 1.96                  |
| 0.6875    | 2.07                  |
| 0.710     | 2.20                  |
| 19mm      | 2.45                  |
| 0.750     | 2.50                  |
| 0.812     | 2.89                  |
| 0.820     | 2.90                  |
| 22mm      | 3.27                  |
| 0.875     | 3.35                  |
| 0.920     | 3.69                  |

| Size (in) | Weight per metre (Kg) |
|-----------|-----------------------|
| 0.937     | 3.84                  |
| 24mm      | 3.92                  |
| 1.000     | 4.38                  |
| 1.010     | 4.40                  |
| 27mm      | 4.98                  |
| 1.100     | 5.22                  |
| 1.125     | 5.54                  |
| 30mm      | 6.10                  |
| 1.200     | 6.23                  |
| 1.250     | 6.84                  |
| 1.300     | 7.23                  |
| 1.375     | 8.28                  |
| 36mm      | 8.76                  |
| 1.480     | 9.37                  |
| 1.500     | 10.01                 |
| 1.625     | 10.50                 |
| 1.670     | 12.40                 |
| 1.750     | 13.42                 |
| 46mm      | 14.39                 |
| 1.860     | 15.04                 |
| 50mm      | 16.94                 |
| 2.000     | 17.53                 |
| 2.050     | 18.38                 |
| 2.220     | 21.65                 |
| 2.375     | 25.17                 |
| 2.500     | 27.80                 |
| 2.750     | 33.32                 |

## Hexagon

I.4305 & I.4404

(303S31 & 316S11/S31)

**Flat Bar**

I.4307 & I.4404  
 (304S11/S31 & 316S11/S31)  
 HOT ROLLED

| Size (mm) | Weight per metre (Kg) |
|-----------|-----------------------|
| 20 x 10   | 1.58                  |
| 25 x 10   | 1.98                  |
| 30 x 10   | 2.37                  |
| 40 x 10   | 3.16                  |
| 50 x 10   | 3.95                  |
| 60 x 10   | 4.74                  |
| 75 x 10   | 5.93                  |
| 100 x 10  | 7.90                  |
| 25 x 12   | 2.37                  |
| 30 x 12   | 2.84                  |
| 40 x 12   | 3.79                  |
| 50 x 12   | 4.74                  |
| 60 x 12   | 5.69                  |
| 75 x 12   | 7.11                  |
| 100 x 12  | 9.48                  |
| 25 x 15   | 2.96                  |
| 30 x 15   | 3.56                  |
| 40 x 15   | 4.74                  |

| Size (mm) | Weight per metre (Kg) |
|-----------|-----------------------|
| 50 x 15   | 5.93                  |
| 60 x 15   | 7.11                  |
| 75 x 15   | 8.88                  |
| 100 x 15  | 11.90                 |
| 25 x 20   | 3.95                  |
| 30 x 20   | 4.74                  |
| 40 x 20   | 6.32                  |
| 50 x 20   | 7.90                  |
| 60 x 20   | 9.48                  |
| 75 x 20   | 11.90                 |
| 100 x 20  | 15.80                 |
| 30 x 25   | 5.93                  |
| 40 x 25   | 7.90                  |
| 50 x 25   | 9.88                  |
| 60 x 25   | 11.90                 |
| 75 x 25   | 14.80                 |
| 100 x 25  | 19.80                 |

| Size (mm) | Weight per metre (Kg) |
|-----------|-----------------------|
| 12 x 3    | 0.28                  |
| 20 x 3    | 0.47                  |
| 25 x 3    | 0.59                  |
| 30 x 3    | 0.71                  |
| 40 x 3    | 0.95                  |
| 50 x 3    | 1.19                  |
| 60 x 3    | 1.42                  |
| 75 x 3    | 1.78                  |
| 100 x 3   | 2.37                  |
| 12 x 5    | 0.47                  |
| 20 x 5    | 0.79                  |
| 25 x 5    | 0.99                  |
| 30 x 5    | 1.19                  |
| 40 x 5    | 1.58                  |
| 45 x 5    | 1.78                  |
| 50 x 5    | 1.98                  |
| 60 x 5    | 2.37                  |
| 75 x 5    | 2.96                  |
| 100 x 5   | 3.95                  |
| 12 x 6    | 0.57                  |
| 20 x 6    | 0.95                  |
| 25 x 6    | 1.19                  |
| 30 x 6    | 1.42                  |
| 40 x 6    | 1.90                  |
| 45 x 6    | 2.13                  |

| Size (mm) | Weight per metre (Kg) |
|-----------|-----------------------|
| 50 x 6    | 2.37                  |
| 60 x 6    | 2.84                  |
| 75 x 6    | 3.56                  |
| 100 x 6   | 4.74                  |
| 25 x 8    | 1.58                  |
| 30 x 8    | 1.90                  |
| 40 x 8    | 2.53                  |
| 50 x 8    | 3.16                  |
| 60 x 8    | 3.79                  |
| 75 x 8    | 4.74                  |
| 100 x 8   | 6.32                  |
| 25 x 10   | 1.98                  |
| 30 x 10   | 2.37                  |
| 40 x 10   | 3.16                  |
| 50 x 10   | 3.95                  |
| 60 x 10   | 4.74                  |
| 75 x 10   | 5.93                  |
| 100 x 10  | 7.90                  |
| 25 x 12   | 2.37                  |
| 30 x 12   | 2.84                  |
| 40 x 12   | 3.79                  |
| 50 x 12   | 4.74                  |
| 60 x 12   | 5.69                  |
| 75 x 12   | 7.11                  |
| 100 x 12  | 9.46                  |

| Size (mm) | Weight per metre (Kg) |
|-----------|-----------------------|
| 12 x 12   | 1.14                  |
| 16 x 16   | 2.02                  |
| 20 x 20   | 3.16                  |
| 25 x 25   | 4.94                  |

| Size (mm) | Weight per metre (Kg) |
|-----------|-----------------------|
| 30 x 30   | 7.11                  |
| 40 x 40   | 12.60                 |
| 50 x 50   | 19.80                 |

## Flat Bar

I.4301 & I.4404  
(304 & 316L)  
ROLLED EDGE

## Square Bar

I.4301 & I.4404  
(304S11/S31 & 316S11/S31)

## Angle

I.430I & I.4404  
(304S3I & 316S1I/S3I)

| Size (mm)   | Weight per metre (Kg) |
|-------------|-----------------------|
| 20 x 20 x 3 | 0.88                  |
| 25 x 25 x 3 | 1.12                  |
| 25 x 25 x 5 | 1.78                  |
| 25 x 25 x 6 | 2.09                  |
| 30 x 30 x 3 | 1.35                  |
| 30 x 30 x 5 | 2.17                  |
| 30 x 30 x 6 | 2.56                  |
| 40 x 40 x 3 | 1.83                  |
| 40 x 40 x 5 | 2.96                  |
| 40 x 40 x 6 | 3.51                  |
| 50 x 50 x 3 | 2.30                  |
| 50 x 50 x 5 | 3.75                  |
| 50 x 50 x 6 | 4.46                  |

| Size (mm)      | Weight per metre (Kg) |
|----------------|-----------------------|
| 50 x 15        | 5.93                  |
| 50 x 50 x 10   | 7.11                  |
| 60 x 60 x 5    | 4.58                  |
| 60 x 60 x 6    | 5.40                  |
| 60 x 60 x 10   | 8.69                  |
| 70 x 70 x 6    | 6.35                  |
| 70 x 70 x 10   | 10.30                 |
| 75 x 75 x 6    | 7.37                  |
| 75 x 75 x 10   | 11.95                 |
| 80 x 80 x 6    | 7.89                  |
| 80 x 80 x 10   | 12.80                 |
| 100 x 100 x 6  | 9.20                  |
| 100 x 100 x 10 | 15.00                 |

## Sheet

I.430I (304)  
2B FINISH

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 0.5 | 8.2                   |
| 2500 x 1250 x 0.5 | 12.8                  |
| 2000 x 1000 x 0.6 | 9.82                  |
| 2000 x 1000 x 0.7 | 11.5                  |
| 2500 x 1250 x 0.7 | 17.9                  |
| 2000 x 1000 x 0.8 | 13.1                  |
| 2500 x 1250 x 0.8 | 20.5                  |
| 2000 x 1000 x 0.9 | 14.7                  |
| 2500 x 1250 x 0.9 | 23.0                  |
| 3000 x 1500 x 0.9 | 33.2                  |
| 2000 x 1000 x 1.0 | 16.4                  |
| 2500 x 1250 x 1.0 | 25.6                  |
| 3000 x 1500 x 1.0 | 36.8                  |
| 2000 x 1000 x 1.2 | 19.6                  |
| 2500 x 1250 x 1.2 | 30.7                  |
| 3000 x 1500 x 1.2 | 44.2                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 1.5 | 24.6                  |
| 2500 x 1250 x 1.5 | 38.4                  |
| 3000 x 1500 x 1.5 | 55.3                  |
| 2000 x 1000 x 2.0 | 32.7                  |
| 2500 x 1250 x 2.0 | 51.2                  |
| 3000 x 1500 x 2.0 | 73.7                  |
| 2000 x 1000 x 2.5 | 40.9                  |
| 2500 x 1250 x 2.5 | 63.9                  |
| 3000 x 1500 x 2.5 | 92.1                  |
| 2000 x 1000 x 3.0 | 49.6                  |
| 2500 x 1250 x 3.0 | 77.5                  |
| 3000 x 1500 x 3.0 | 112.0                 |
| 2500 x 1250 x 4.0 | 102.4                 |
| 2500 x 1250 x 5.0 | 137.8                 |
| 2500 x 1250 x 6.0 | 155.0                 |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 0.6 | 9.82                  |
| 2000 x 1000 x 0.7 | 11.5                  |
| 2500 x 1250 x 0.7 | 17.9                  |
| 2000 x 1000 x 0.9 | 14.7                  |
| 2500 x 1250 x 0.9 | 23.0                  |
| 2500 x 1250 x 1.0 | 25.6                  |
| 2000 x 1000 x 1.2 | 19.6                  |
| 2500 x 1250 x 1.2 | 30.7                  |
| 3000 x 1500 x 1.2 | 44.2                  |
| 2000 x 1000 x 1.5 | 24.6                  |
| 2500 x 1250 x 1.5 | 38.4                  |
| 3000 x 1500 x 1.5 | 55.3                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 2.0 | 32.7                  |
| 2500 x 1250 x 2.0 | 51.2                  |
| 3000 x 1500 x 2.0 | 73.3                  |
| 2000 x 1000 x 2.5 | 40.9                  |
| 2500 x 1250 x 2.5 | 63.9                  |
| 3000 x 1500 x 2.5 | 92.1                  |
| 2000 x 1000 x 3.0 | 49.6                  |
| 2500 x 1250 x 3.0 | 77.5                  |
| 3000 x 1500 x 3.0 | 112.0                 |
| 2500 x 1250 x 4.0 | 102.4                 |
| 2500 x 1250 x 5.0 | 137.8                 |
| 2500 x 1250 x 6.0 | 155.0                 |

## Sheet

I.4404 (316)  
2B FINISH

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 1.5 | 37.5                  |
| 2500 x 1250 x 2.0 | 50.0                  |
| 2500 x 1250 x 3.0 | 75.0                  |

5T MOQ Mill quantity stock only

## Sheet

I.4541 (321)  
2B FINISH

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 0.5 | 8.2                   |
| 2500 x 1250 x 0.5 | 12.8                  |
| 2000 x 1000 x 0.7 | 11.5                  |
| 2500 x 1250 x 0.7 | 17.9                  |
| 2500 x 1250 x 0.8 | 20.5                  |
| 2000 x 1000 x 0.9 | 14.7                  |
| 2500 x 1250 x 0.9 | 23.0                  |
| 2000 x 1000 x 1.0 | 16.4                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 1.0 | 25.6                  |
| 2000 x 1000 x 1.2 | 19.6                  |
| 2500 x 1250 x 1.2 | 30.7                  |
| 2000 x 1000 x 1.5 | 24.6                  |
| 2500 x 1250 x 1.5 | 38.4                  |
| 2000 x 1000 x 2.0 | 32.7                  |
| 2500 x 1250 x 2.0 | 51.2                  |

## Sheet

I.4301 (304)  
2R (BA) FINISH

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 0.5 | 8.2                   |
| 2500 x 1250 x 0.5 | 12.8                  |
| 2000 x 1000 x 0.7 | 11.5                  |
| 2500 x 1250 x 0.7 | 17.9                  |
| 2500 x 1250 x 0.8 | 20.5                  |
| 2000 x 1000 x 0.9 | 14.7                  |
| 2500 x 1250 x 0.9 | 23.0                  |
| 2000 x 1000 x 1.0 | 16.4                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2500 x 1250 x 1.0 | 25.6                  |
| 2000 x 1000 x 1.2 | 19.6                  |
| 2500 x 1250 x 1.2 | 30.7                  |
| 2000 x 1000 x 1.5 | 24.6                  |
| 2500 x 1250 x 1.5 | 38.4                  |
| 2000 x 1000 x 2.0 | 32.7                  |
| 2500 x 1250 x 2.0 | 51.2                  |

## Sheet

I.4016 (430)  
2R (BA) FINISH

### Polished Sheet

I.4301 & I.4404  
(304 & 316)  
240 SILICON  
FIBER OPTIC COATING  
1 & 2 SIDES

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 0.6 | 9.60                  |
| 2000 x 1000 x 0.7 | 11.5                  |
| 2500 x 1250 x 0.7 | 17.9                  |
| 2000 x 1000 x 0.9 | 14.7                  |
| 2500 x 1250 x 0.9 | 23.0                  |
| 2000 x 1000 x 1.0 | 16.4                  |
| 2500 x 1250 x 1.0 | 25.6                  |
| 3000 x 1500 x 1.0 | 36.8                  |
| 2000 x 1000 x 1.2 | 19.6                  |
| 2500 x 1250 x 1.2 | 30.7                  |
| 3000 x 1500 x 1.2 | 44.2                  |
| 2000 x 1000 x 1.5 | 24.6                  |
| 2500 x 1250 x 1.5 | 38.4                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 3000 x 1500 x 1.5 | 55.3                  |
| 2000 x 1000 x 2.0 | 32.7                  |
| 2500 x 1250 x 2.0 | 51.2                  |
| 3000 x 1500 x 2.0 | 73.7                  |
| 2000 x 1000 x 2.5 | 40.9                  |
| 2500 x 1250 x 2.5 | 63.9                  |
| 3000 x 1500 x 2.5 | 92.1                  |
| 2000 x 1000 x 3.0 | 49.6                  |
| 2500 x 1250 x 3.0 | 77.5                  |
| 3000 x 1500 x 3.0 | 112.0                 |
| 2500 x 1250 x 4.0 | 102.4                 |
| 2500 x 1250 x 5.0 | 137.8                 |
| 2500 x 1250 x 6.0 | 155.0                 |

### Polished Sheet

I.4016 (430)  
240 SILICON  
FIBER OPTIC COATING

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 0.7 | 11.5                  |
| 2500 x 1250 x 0.7 | 17.9                  |
| 2000 x 1000 x 0.9 | 14.7                  |
| 2500 x 1250 x 0.9 | 23.0                  |
| 3000 x 1000 x 0.9 | 32.4                  |
| 2000 x 1000 x 1.0 | 16.4                  |
| 2500 x 1250 x 1.0 | 25.6                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 1.2 | 19.6                  |
| 2500 x 1250 x 1.2 | 30.7                  |
| 2000 x 1000 x 1.5 | 24.6                  |
| 2500 x 1250 x 1.5 | 38.4                  |
| 2000 x 1000 x 2.0 | 32.8                  |
| 2500 x 1250 x 2.0 | 51.2                  |

### Polished Sheet

I.4307 & I.4404  
SUPER MIRROR POLISH  
& MIRROR POLISH  
FIBER OPTIC  
LASER COATING  
  
\*I.4307 & I.4404  
CIRCLE POLISH  
FIBER OPTIC  
LASER COATING

| Size (mm)          | Weight per sheet (Kg) |
|--------------------|-----------------------|
| 2000 x 1000 x 0.7  | 11.2                  |
| 2500 x 1250 x 0.7* | 17.5                  |
| 2000 x 1000 x 0.9  | 14.4                  |
| 2500 x 1250 x 0.9* | 22.5                  |
| 2500 x 1250 x 1.0  | 25.0                  |
| 3000 x 1500 x 1.0  | 36.0                  |
| 2000 x 1000 x 1.2  | 19.2                  |
| 2500 x 1250 x 1.2* | 30.0                  |
| 2000 x 1000 x 1.5  | 24.0                  |
| 2500 x 1250 x 1.5* | 37.5                  |
| 3000 x 1500 x 1.5  | 54.0                  |
| 2000 x 1000 x 2.0  | 32.0                  |
| 2500 x 1250 x 2.0  | 50.0                  |

| Size (mm)         | Weight per sheet (Kg) |
|-------------------|-----------------------|
| 3000 x 1500 x 2.0 | 72.0                  |
| 2000 x 1000 x 2.5 | 40.0                  |
| 2500 x 1250 x 2.5 | 62.5                  |
| 3000 x 1500 x 2.5 | 90.0                  |
| 2000 x 1000 x 3.0 | 48.0                  |
| 2500 x 1250 x 3.0 | 75.0                  |
| 3000 x 1500 x 3.0 | 108.0                 |
| 2500 x 1250 x 4.0 | 100.0                 |
| 3000 x 1500 x 4.0 | 144.0                 |
| 2500 x 1250 x 5.0 | 125.0                 |
| 3000 x 1500 x 5.0 | 180.0                 |
| 2500 x 1250 x 6.0 | 150.0                 |
| 3000 x 1500 x 6.0 | 216.0                 |

Polished Sheet options available: 240 Silicon, 240 Grit and various coating including Fiber Optic Laser for one or two sides.

| Size (ins)                 | Weight per sheet (Kg) |
|----------------------------|-----------------------|
| 96 x 48 x ½ x ½ x 16 swg   | 6.50                  |
| 96 x 48 x 3 x ½ x 10 swg   | 16.00                 |
| 96 x 48 x 3 x ½ x 12 swg   | 11.00                 |
| 96 x 48 x 1 x 1 x 10 swg   | 13.00                 |
| 96 x 48 x 1 x 1 x 12 swg   | 9.50                  |
| 96 x 48 x 1½ x 1½ x 10 swg | 9.00                  |
| 96 x 48 x 2 x 2 x 10 swg   | 7.00                  |
| 96 x 48 x 2 x 2 x 12 swg   | 5.00                  |

## Welded Mesh

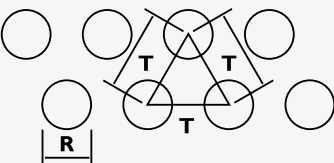
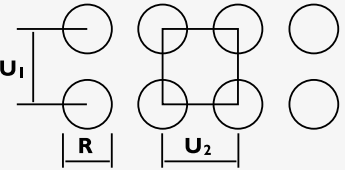
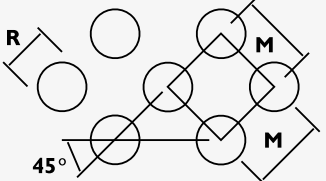
I.4301 & I.4404

| Size (mm)         | Pattern | Weight per sheet (Kg) |
|-------------------|---------|-----------------------|
| 2000 x 1000 x 1.0 | R3 T5   | 10.8                  |
| 2000 x 1000 x 1.0 | R6 T8   | 8.0                   |
| 2000 x 1000 x 1.5 | R10 T15 | 14.7                  |
| 2500 x 1250 x 0.7 | R3 T5   | 11.8                  |
| 2500 x 1250 x 1.0 | R3 T5   | 17.0                  |
| 2500 x 1250 x 1.5 | R3 T5   | 25.6                  |

## Perforated Sheet

ROUND HOLES I.4301

### TECHNICAL DETAILS

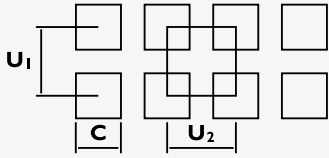
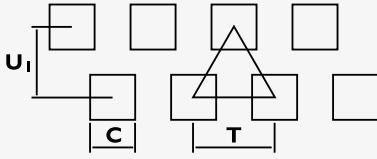
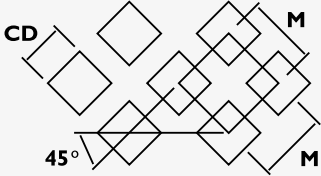
| ARRANGEMENT OF HOLES  | HOLE SHAPE | PATTERN IDENTIFICATION |
|---|------------|------------------------|
|    | R          | R - T                  |
| Round holes, triangular pitch<br>Calculation of open area in % $\frac{R^2 \times 90.69}{T^2}$<br>Number of holes per m <sup>2</sup> $\frac{1,154,700}{T^2}$                       |            |                        |
|    | R          | R - U                  |
| Round holes, rectangular pitch<br>Calculation of open area in % $\frac{R^2 \times 78.5}{U_1 \times U_2}$<br>Number of holes per m <sup>2</sup> $\frac{1,000,000}{U_1 \times U_2}$ |            |                        |
|    | R          | R - M                  |
| Round holes, diagonal pitch<br>Calculation of open area in % $\frac{R^2 \times 78.5}{M}$<br>Number of holes per m <sup>2</sup> $\frac{1,000,000}{M}$                              |            |                        |



# Perforated Sheet

SQUARE HOLES I.4301

| Size (mm)         | Pattern | Weight per sheet (Kg) |
|-------------------|---------|-----------------------|
| 2000 x 1000 x 1.5 | C10 U15 | 13.5                  |

| TECHNICAL DETAILS  |   |                        |        |
|--|---|------------------------|--------|
| ARRANGEMENT OF HOLES   | HOLE SHAPE  | PATTERN IDENTIFICATION |        |
|   | Square holes, rectangular pitch<br>Calculation of open area in %<br>$\frac{C^2 \times 100}{U_1 \times U_2}$<br>Number of holes per m <sup>2</sup><br>$\frac{1,000,000}{U_2 \times U_2}$ | C                      | C - U  |
|   | Square holes, triangular pitch<br>Calculation of open area in %<br>$\frac{C^2 \times 100}{T^2}$<br>Number of holes per m <sup>2</sup><br>$\frac{1,000,000}{T^2}$                        | C                      | C - T  |
|  | Square holes, diagonal staggered pitch<br>Calculation of open area in %<br>$\frac{CD^2 \times 100}{M^2}$<br>Number of holes per m <sup>2</sup><br>$\frac{1,000,000}{M^2}$               | CD                     | CD - M |

# Plate / Sheet

I.4003  
ID FINISH

| Size (mm)         | Weight per plate (Kg) |
|-------------------|-----------------------|
| 2000 x 1000 x 2.0 | 33.2                  |
| 2500 x 1250 x 2.0 | 51.8                  |
| 3000 x 1500 x 2.0 | 74.6                  |
| 2000 x 1000 x 3.0 | 49.7                  |
| 2500 x 1250 x 3.0 | 77.7                  |
| 3000 x 1500 x 3.0 | 112.0                 |
| 2000 x 1000 x 4.0 | 66.4                  |
| 2500 x 1250 x 4.0 | 102.0                 |
| 3000 x 1500 x 4.0 | 147.0                 |

# Sheet

COLD ROLLED  
DESCALED  
ASTM A240, ASME SA 240  
304L & 316L

| Size (mm)         | Weight per plate (Kg) |
|-------------------|-----------------------|
| 4000 x 2000 x 2.0 | 136.0                 |
| 4000 x 2000 x 3.0 | 204.0                 |
| 2500 x 1250 x 4.0 | 106.0                 |
| 3000 x 1500 x 4.0 | 153.0                 |
| 4000 x 2000 x 4.0 | 272.0                 |
| 2500 x 1250 x 5.0 | 133.0                 |

| Size (mm)         | Weight per plate (Kg) |
|-------------------|-----------------------|
| 3000 x 1500 x 5.0 | 191.0                 |
| 4000 x 2000 x 5.0 | 340.0                 |
| 2500 x 1250 x 6.0 | 159.0                 |
| 3000 x 1500 x 6.0 | 230.0                 |
| 4000 x 2000 x 6.0 | 408.0                 |

| Size (mm)         | Weight per plate (Kg) |
|-------------------|-----------------------|
| 4000 x 2000 x 2.0 | 136.0                 |
| 2000 x 1000 x 3.0 | 51.0                  |
| 2500 x 1250 x 3.0 | 79.7                  |
| 3000 x 1500 x 3.0 | 115.0                 |
| 2000 x 1000 x 4.0 | 68.0                  |
| 2500 x 1250 x 4.0 | 106.0                 |
| 3000 x 1500 x 4.0 | 153.0                 |
| 2000 x 1000 x 5.0 | 85.0                  |
| 2500 x 1250 x 5.0 | 133.0                 |
| 3000 x 1500 x 5.0 | 191.0                 |
| 4000 x 2000 x 5.0 | 340.0                 |
| 2000 x 1000 x 6.0 | 102.0                 |
| 2500 x 1250 x 6.0 | 159.0                 |
| 3000 x 1500 x 6.0 | 230.0                 |

| Size (mm)          | Weight per plate (Kg) |
|--------------------|-----------------------|
| 3000 x 1500 x 5.0  | 191.0                 |
| 4000 x 2000 x 6.0  | 408.0                 |
| 2500 x 1250 x 8.0  | 213.0                 |
| 3000 x 1500 x 8.0  | 306.0                 |
| 4000 x 2000 x 8.0  | 544.0                 |
| 2500 x 1250 x 10.0 | 266.0                 |
| 3000 x 1500 x 10.0 | 383.0                 |
| 4000 x 1500 x 10.0 | 510.0                 |
| 4000 x 2000 x 10.0 | 680.0                 |
| 2500 x 1250 x 12.0 | 319.0                 |
| 3000 x 1500 x 12.0 | 459.0                 |
| 4000 x 1500 x 12.0 | 612.0                 |
| 4000 x 2000 x 12.0 | 816.0                 |

## CPP Plate

I.4301, I.4307, I.4401  
& I.4404 (EN10088-2)

ID FINISH

ASTM A240, ASME

SA240: 304, 304L, 316, 316L

| Thickness (mm) | Unit Weight per sq metre (Kg) |
|----------------|-------------------------------|
| 5              | 42.5                          |
| 6              | 51.0                          |
| 8              | 68.0                          |
| 10             | 85.0                          |
| 12             | 102.0                         |
| 15             | 128.0                         |
| 16             | 136.0                         |
| 20             | 170.0                         |
| 22             | 187.0                         |
| 25             | 213.0                         |
| 30             | 255.0                         |
| 32             | 272.0                         |

| Thickness (mm) | Unit Weight per sq metre (Kg) |
|----------------|-------------------------------|
| 35             | 298.0                         |
| 40             | 340.0                         |
| 45             | 383.0                         |
| 50             | 426.0                         |
| 55             | 468.0                         |
| 60             | 510.0                         |
| 65             | 553.0                         |
| 70             | 596.0                         |
| 75             | 638.0                         |
| 90             | 765.0                         |
| 100            | 850.0                         |
| 125            | 1063.0                        |

## Quarto Plate

I.4301, I.4307, I.4401  
& I.4404 (EN10088-2)

ID FINISH

ASTM A240, ASME

SA240: 304, 304L, 316, 316L

BS1501 PT3: 304S31, 304S11

316S31, 316S11

| Thickness on base (mm) | Unit Weight per plate (Kg) |
|------------------------|----------------------------|
| 3000 x 1000 x 3.0      | 78.0                       |
| 3000 x 1250 x 4.5      | 143.0                      |
| 3000 x 1250 x 6.0      | 180.0                      |
| 3000 x 1250 x 8.0      | 210.0                      |

## Stainless Treadplate

AISI 304, ASTM A793/96

PATTERN B

## Seamless Pipe

ASTM A312  
304L

| NPS/NB<br>(in) | SCH<br>10S | SCH<br>40S | SCH<br>80S |
|----------------|------------|------------|------------|
| 1/4            | –          | ✓          | ✓          |
| 3/8            | ✓          | ✓          | ✓          |
| 1/2            | ✓          | ✓          | ✓          |
| 3/4            | –          | ✓          | ✓          |
| 1              | ✓          | ✓          | ✓          |
| 1 1/4          | –          | ✓          | ✓          |
| 1 1/2          | ✓          | ✓          | ✓          |
| 2              | ✓          | ✓          | ✓          |
| 2 1/2          | ✓          | ✓          | –          |
| 3              | ✓          | ✓          | ✓          |
| 4              | ✓          | ✓          | ✓          |
| 6              | ✓          | ✓          | ✓          |
| 8              | –          | ✓          | ✓          |

## Seamless Pipe

ASTM A312  
316L

| NPS/NB<br>(in) | SCH<br>10S | SCH<br>40S | SCH<br>80S | SCH<br>160 |
|----------------|------------|------------|------------|------------|
| 1/8            | ✓          | ✓          | –          | –          |
| 1/4            | ✓          | ✓          | ✓          | –          |
| 3/8            | ✓          | ✓          | ✓          | –          |
| 1/2            | ✓          | ✓          | ✓          | ✓          |
| 3/4            | ✓          | ✓          | ✓          | ✓          |
| 1              | ✓          | ✓          | ✓          | ✓          |
| 1 1/4          | –          | –          | ✓          | –          |
| 1 1/2          | ✓          | ✓          | ✓          | ✓          |
| 2              | ✓          | ✓          | ✓          | ✓          |
| 2 1/2          | ✓          | ✓          | ✓          | –          |
| 3              | ✓          | ✓          | ✓          | ✓          |
| 3 1/2          | ✓          | ✓          | –          | –          |
| 4              | ✓          | ✓          | ✓          | –          |
| 5              | –          | ✓          | –          | –          |
| 6              | ✓          | ✓          | ✓          | –          |
| 8              | ✓          | ✓          | ✓          | –          |

## Stainless Steel Pipe Sizes

| Pipe Size | OD    | SCHEDULE 5S | SCHEDULE 10S | SCHEDULE 40S | SCHEDULE 80S |
|-----------|-------|-------------|--------------|--------------|--------------|
| 1/8       | 10.3  | -           | 1.24         | 1.73         | 2.41         |
| 1/4       | 13.7  | -           | 1.65         | 2.24         | 3.02         |
| 3/8       | 17.1  | -           | 1.65         | 2.31         | 3.20         |
| 1/2       | 21.3  | 1.65        | 2.11         | 2.77         | 3.73         |
| 3/4       | 26.7  | 1.65        | 2.11         | 2.87         | 3.91         |
| 1         | 33.4  | 1.65        | 2.77         | 3.38         | 4.55         |
| 1 1/4     | 42.2  | 1.65        | 2.77         | 3.56         | 4.85         |
| 1 1/2     | 48.3  | 1.65        | 2.77         | 3.68         | 5.08         |
| 2         | 60.3  | 1.65        | 2.77         | 3.91         | 5.54         |
| 2 1/2     | 73.0  | 2.11        | 3.05         | 5.16         | 7.01         |
| 3         | 88.9  | 2.11        | 3.05         | 5.49         | 7.62         |
| 3 1/2     | 101.6 | 2.11        | 3.05         | 5.74         | 8.08         |
| 4         | 114.3 | 2.11        | 3.05         | 6.02         | 8.56         |
| 5         | 141.3 | 2.77        | 3.40         | 6.55         | 9.53         |
| 6         | 168.3 | 2.77        | 3.40         | 7.11         | 10.97        |
| 8         | 219.1 | 2.77        | 3.76         | 8.18         | 12.70        |
| 10        | 273.1 | 3.40        | 4.19         | 9.27         | 12.70        |
| 12        | 323.9 | 3.96        | 4.57         | 9.53         | 12.70        |
| 14        | 355.6 | 3.96        | 4.78         | -            | -            |
| 16        | 406.4 | 4.19        | 4.78         | -            | -            |
| 18        | 457   | 4.19        | 4.78         | -            | -            |
| 20        | 508   | 4.78        | 5.54         | -            | -            |
| 22        | 559   | 4.78        | 5.54         | -            | -            |
| 24        | 610   | 5.54        | 6.35         | -            | -            |
| 30        | 762   | 6.35        | 7.92         | -            | -            |

# Seamless Butt Weld Fittings

ASTM A403  
316L

| NPS/NB<br>(in) | EQUAL TEES |         | END CAPS |         |
|----------------|------------|---------|----------|---------|
|                | SCH 10S    | SCH 40S | SCH 10S  | SCH 40S |
| 1/2            | ✓          | ✓       | ✓        | -       |
| 3/4            | ✓          | ✓       | ✓        | -       |
| 1              | ✓          | ✓       | ✓        | ✓       |
| 1 1/4          | -          | -       | ✓        | ✓       |
| 1 1/2          | ✓          | ✓       | ✓        | -       |
| 2              | ✓          | ✓       | ✓        | -       |
| 2 1/2          | -          | -       | ✓        | ✓       |
| 3              | ✓          | ✓       | ✓        | ✓       |
| 4              | ✓          | -       | ✓        | -       |
| 6              | ✓          | -       | ✓        | -       |
| 8              | -          | -       | -        | ✓       |
| 12             | -          | -       | ✓        | -       |

| NPS/NB<br>(in) | 90° LR ELBOWS |         |         | 45° LR ELBOWS |         | STUB ENDS |
|----------------|---------------|---------|---------|---------------|---------|-----------|
|                | SCH 10S       | SCH 40S | SCH 80S | SCH 10S       | SCH 40S | SCH 10S   |
| 1/2            | ✓             | ✓       | ✓       | -             | ✓       | -         |
| 3/4            | ✓             | ✓       | ✓       | ✓             | -       | -         |
| 1              | ✓             | ✓       | ✓       | ✓             | -       | ✓         |
| 1 1/2          | ✓             | ✓       | -       | ✓             | ✓       | ✓         |
| 2              | ✓             | ✓       | ✓       | ✓             | ✓       | ✓         |
| 2 1/2          | ✓             | -       | -       | -             | -       | -         |
| 3              | ✓             | ✓       | -       | ✓             | -       | ✓         |
| 4              | ✓             | ✓       | -       | ✓             | -       | ✓         |
| 6              | ✓             | ✓       | -       | -             | -       | ✓         |
| 8              | ✓             | -       | -       | -             | -       | -         |

| NPS/NB<br>(in) | EQUAL TEES |            | END CAPS   |            |
|----------------|------------|------------|------------|------------|
|                | SCH<br>10S | SCH<br>40S | SCH<br>10S | SCH<br>40S |
| ½              | –          | ✓          | ✓          | –          |
| ¾              | –          | –          | ✓          | –          |
| 1              | ✓          | ✓          | ✓          | –          |
| 1¼             | –          | –          | ✓          | –          |
| 1½             | ✓          | –          | ✓          | –          |
| 2              | ✓          | ✓          | –          | ✓          |
| 2½             | –          | –          | ✓          | –          |
| 3              | –          | –          | ✓          | –          |
| 4              | ✓          | –          | ✓          | –          |

| NPS/NB<br>(in) | 90° LR ELBOWS |            |            |
|----------------|---------------|------------|------------|
|                | SCH<br>10S    | SCH<br>40S | SCH<br>80S |
| ½              | ✓             | ✓          | ✓          |
| ¾              | ✓             | –          | –          |
| 1              | ✓             | ✓          | –          |
| 1½             | ✓             | ✓          | –          |
| 2              | ✓             | ✓          | –          |
| 2½             | ✓             | –          | –          |
| 3              | ✓             | ✓          | –          |
| 4              | ✓             | ✓          | –          |
| 6              | ✓             | –          | –          |
| 8              | ✓             | –          | –          |

| NPS/NB<br>(in) | CON RED    |            |
|----------------|------------|------------|
|                | SCH<br>10S | SCH<br>40S |
| ¾ x ½          | ✓          | –          |
| 1½ x 1         | ✓          | –          |
| 2 x 1          | ✓          | ✓          |
| 2 x 1¼         | –          | ✓          |
| 4 x 2          | ✓          | –          |
| 4 x 3          | ✓          | –          |
| 6 x 3          | ✓          | –          |

## Seamless Butt Weld Fittings

ASTM A403  
304L

## Seamless Butt Weld Fittings

ASTM A403  
304L

## Seamless Butt Weld Fittings

ASTM A403

316L

| NPS/NB<br>(in) | CON RED    |            |            |
|----------------|------------|------------|------------|
|                | SCH<br>10S | SCH<br>40S | SCH<br>80S |
| 3/4 x 1/2      | ✓          | ✓          | ✓          |
| 1 x 1/2        | ✓          | ✓          | ✓          |
| 1 x 3/4        | ✓          | ✓          | ✓          |
| 1 1/4 x 1      | ✓          | ✓          | –          |
| 1 1/2 x 1/2    | ✓          | ✓          | –          |
| 1 1/2 x 3/4    | ✓          | ✓          | –          |
| 1 1/2 x 1      | ✓          | ✓          | ✓          |
| 1 1/2 x 1 1/4  | ✓          | ✓          | –          |
| 2 x 1/2        | ✓          | –          | –          |
| 2 x 3/4        | ✓          | ✓          | –          |
| 2 x 1          | ✓          | ✓          | ✓          |
| 2 x 1 1/4      | ✓          | ✓          | –          |
| 2 x 1 1/2      | ✓          | ✓          | –          |
| 2 1/2 x 1 1/2  | –          | –          | –          |
| 2 1/2 x 2      | ✓          | ✓          | –          |
| 3 x 1          | ✓          | ✓          | –          |
| 3 x 1 1/4      | ✓          | –          | –          |
| 3 x 1 1/2      | ✓          | ✓          | ✓          |
| 3 x 2          | ✓          | ✓          | ✓          |
| 3 x 2 1/2      | ✓          | ✓          | –          |
| 4 x 1 1/2      | ✓          | –          | –          |
| 4 x 2          | ✓          | ✓          | –          |
| 4 x 2 1/2      | –          | –          | –          |
| 4 x 3          | ✓          | ✓          | ✓          |
| 5 x 3          | ✓          | ✓          | –          |
| 6 x 3          | ✓          | ✓          | –          |
| 6 x 4          | ✓          | ✓          | –          |
| 6 x 5          | ✓          | –          | –          |
| 8 x 4          | ✓          | –          | –          |
| 8 x 6          | ✓          | –          | –          |

## Welded Pipe

ASTM A312  
304L

| NPS/NB<br>(in) | SCH<br>5S | SCH<br>10S | SCH<br>40S |
|----------------|-----------|------------|------------|
| ½              | ✓         | ✓          | ✓          |
| ¾              | ✓         | ✓          | ✓          |
| 1              | ✓         | ✓          | ✓          |
| 1¼             | ✓         | ✓          | ✓          |
| 1½             | ✓         | ✓          | ✓          |
| 2              | ✓         | ✓          | ✓          |
| 2½             | ✓         | ✓          | ✓          |
| 3              | ✓         | ✓          | ✓          |
| 3½             | –         | ✓          | ✓          |
| 4              | ✓         | ✓          | ✓          |
| 5              | –         | ✓          | ✓          |
| 6              | ✓         | ✓          | ✓          |
| 8              | ✓         | ✓          | ✓          |
| 10             | ✓         | ✓          | ✓          |
| 12             | ✓         | ✓          | ✓          |
| 14             | –         | ✓          | –          |
| 16             | –         | ✓          | –          |
| 18             | –         | ✓          | –          |
| 20             | –         | ✓          | –          |
| 24             | –         | ✓          | –          |

## Welded Pipe

ASTM A312  
316L

| NPS/NB<br>(in) | SCH<br>5S | SCH<br>10S | SCH<br>40S |
|----------------|-----------|------------|------------|
| ½              | ✓         | ✓          | ✓          |
| ¾              | ✓         | ✓          | ✓          |
| 1              | ✓         | ✓          | ✓          |
| 1¼             | ✓         | ✓          | ✓          |
| 1½             | ✓         | ✓          | ✓          |
| 2              | ✓         | ✓          | ✓          |
| 2½             | ✓         | ✓          | ✓          |
| 3              | ✓         | ✓          | ✓          |
| 4              | ✓         | ✓          | ✓          |
| 5              | –         | ✓          | ✓          |
| 6              | ✓         | ✓          | ✓          |
| 8              | ✓         | ✓          | ✓          |
| 10             | ✓         | ✓          | ✓          |
| 12             | ✓         | ✓          | ✓          |
| 14             | –         | ✓          | –          |
| 16             | –         | ✓          | –          |
| 18             | –         | ✓          | –          |
| 20             | –         | ✓          | –          |
| 24             | –         | ✓          | –          |



# Welded Butt Weld Fittings

ASTM A403

304L

| NPS/NB<br>(in) | 90° LR ELBOWS |            | 45° LR ELBOWS |            | EQUAL TEES |            | STUB<br>ENDS |
|----------------|---------------|------------|---------------|------------|------------|------------|--------------|
|                | SCH<br>10S    | SCH<br>40S | SCH<br>10S    | SCH<br>40S | SCH<br>10S | SCH<br>40S | SCH<br>10S   |
| ½              | ✓             | ✓          | ✓             | ✓          | ✓          | ✓          | ✓            |
| ¾              | ✓             | ✓          | ✓             | ✓          | ✓          | ✓          | ✓            |
| 1              | ✓             | ✓          | ✓             | ✓          | ✓          | ✓          | ✓            |
| 1¼             | ✓             | ✓          | ✓             | ✓          | ✓          | ✓          | ✓            |
| 1½             | ✓             | ✓          | ✓             | ✓          | ✓          | ✓          | ✓            |
| 2              | ✓             | ✓          | ✓             | ✓          | ✓          | ✓          | ✓            |
| 2½             | ✓             | ✓          | ✓             | ✓          | ✓          | ✓          | ✓            |
| 3              | ✓             | ✓          | ✓             | ✓          | ✓          | ✓          | ✓            |
| 4              | ✓             | ✓          | ✓             | ✓          | ✓          | ✓          | ✓            |
| 5              | -             | -          | -             | -          | ✓          | -          | -            |
| 6              | ✓             | ✓          | ✓             | ✓          | ✓          | ✓          | ✓            |
| 8              | ✓             | ✓          | ✓             | -          | ✓          | ✓          | ✓            |
| 10             | ✓             | -          | ✓             | -          | ✓          | ✓          | ✓            |
| 12             | ✓             | -          | ✓             | -          | ✓          | ✓          | ✓            |
| 14             | ✓             | -          | ✓             | -          | -          | -          | -            |
| 16             | ✓             | -          | ✓             | -          | -          | -          | -            |
| 18             | ✓             | -          | -             | -          | -          | -          | -            |
| 20             | ✓             | -          | -             | -          | -          | -          | -            |
| 22             | ✓             | -          | -             | -          | -          | -          | -            |
| 24             | ✓             | -          | -             | -          | -          | -          | -            |

# Welded Butt Weld Fittings

ASTM A403

316L

| NPS/NB<br>(in) | 90° LR ELBOWS |         | 45° LR ELBOWS |         | EQUAL TEES |         | STUB ENDS |
|----------------|---------------|---------|---------------|---------|------------|---------|-----------|
|                | SCH 10S       | SCH 40S | SCH 10S       | SCH 40S | SCH 10S    | SCH 40S | SCH 10S   |
| ½              | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| ¾              | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| 1              | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| 1¼             | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| 1½             | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| 2              | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| 2½             | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| 3              | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| 4              | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| 5              | ✓             | ✓       | ✓             | -       | ✓          | -       | -         |
| 6              | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| 8              | ✓             | ✓       | ✓             | ✓       | ✓          | ✓       | ✓         |
| 10             | ✓             | ✓       | ✓             | -       | ✓          | -       | ✓         |
| 12             | ✓             | ✓       | ✓             | -       | -          | ✓       | ✓         |
| 14             | ✓             | -       | ✓             | -       | -          | -       | -         |
| 16             | ✓             | -       | ✓             | -       | -          | -       | -         |
| 18             | ✓             | -       | ✓             | -       | -          | -       | -         |
| 20             | ✓             | -       | ✓             | -       | -          | -       | -         |
| 22             | ✓             | -       | -             | -       | -          | -       | -         |
| 24             | ✓             | -       | -             | -       | -          | -       | -         |

## Welded Butt Weld Fittings

ASTM A403  
304L

| NPS/NB<br>(in) | CON RED    |            | ECC RED    |            | RED TEES   |            |
|----------------|------------|------------|------------|------------|------------|------------|
|                | SCH<br>10S | SCH<br>40S | SCH<br>10S | SCH<br>40S | SCH<br>10S | SCH<br>40S |
| 3/4 x 1/2      | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 1 x 1/2        | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 1 x 3/4        | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 1 1/4 x 1/2    | ✓          | ✓          | -          | -          | -          | -          |
| 1 1/4 x 3/4    | ✓          | ✓          | -          | -          | -          | -          |
| 1 1/4 x 1      | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 1 1/2 x 1/2    | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 1 1/2 x 3/4    | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 1 1/2 x 1      | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 1 1/2 x 1 1/4  | ✓          | ✓          | ✓          | -          | ✓          | ✓          |
| 2 x 1/2        | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 2 x 3/4        | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 2 x 1          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 2 x 1 1/4      | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 2 x 1 1/2      | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 2 1/2 x 1      | ✓          | -          | -          | -          | -          | -          |
| 2 1/2 x 1 1/4  | ✓          | -          | -          | -          | -          | -          |
| 2 1/2 x 1 1/2  | ✓          | -          | -          | -          | -          | -          |
| 2 1/2 x 2      | ✓          | -          | ✓          | ✓          | ✓          | ✓          |
| 3 x 1          | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 3 x 1 1/4      | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 3 x 1 1/2      | ✓          | ✓          | ✓          | ✓          | ✓          | -          |
| 3 x 2          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 3 x 2 1/2      | ✓          | ✓          | ✓          | ✓          | ✓          | -          |
| 4 x 1 1/2      | ✓          | -          | -          | -          | ✓          | -          |
| 4 x 2          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 4 x 2 1/2      | ✓          | -          | ✓          | -          | ✓          | ✓          |
| 4 x 3          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 5 x 3          | ✓          | ✓          | -          | -          | -          | -          |
| 5 x 4          | ✓          | ✓          | -          | -          | -          | -          |
| 6 x 3          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 6 x 4          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 6 x 5          | ✓          | ✓          | ✓          | -          | ✓          | ✓          |
| 8 x 4          | ✓          | ✓          | -          | -          | -          | -          |
| 8 x 5          | ✓          | -          | -          | -          | -          | -          |
| 8 x 6          | ✓          | ✓          | ✓          | -          | -          | -          |
| 10 x 6         | ✓          | ✓          | ✓          | -          | -          | -          |
| 10 x 8         | ✓          | -          | ✓          | -          | -          | -          |
| 12 x 8         | ✓          | ✓          | ✓          | -          | -          | -          |
| 12 x 10        | ✓          | ✓          | ✓          | -          | -          | -          |

| NPS/NB<br>(in) | CON RED    |            | ECC RED    |            | RED TEES   |            |
|----------------|------------|------------|------------|------------|------------|------------|
|                | SCH<br>10S | SCH<br>40S | SCH<br>10S | SCH<br>40S | SCH<br>10S | SCH<br>40S |
| ¾ x ½          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 1 x ½          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 1 x ¾          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 1¼ x ½         | ✓          | ✓          | -          | -          | -          | -          |
| 1¼ x ¾         | ✓          | ✓          | -          | -          | -          | -          |
| 1¼ x 1         | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 1½ x ½         | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 1½ x ¾         | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 1½ x 1         | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 1½ x 1¼        | ✓          | ✓          | ✓          | -          | ✓          | ✓          |
| 2 x ½          | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 2 x ¾          | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 2 x 1          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 2 x 1¼         | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 2 x 1½         | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 2½ x 1         | ✓          | -          | -          | -          | -          | -          |
| 2½ x 1¼        | ✓          | -          | -          | -          | -          | -          |
| 2½ x 1½        | ✓          | -          | -          | -          | -          | -          |
| 2½ x 2         | ✓          | ✓          | ✓          | -          | ✓          | ✓          |
| 3 x 1          | ✓          | ✓          | -          | -          | ✓          | ✓          |
| 3 x 1¼         | ✓          | -          | -          | -          | ✓          | ✓          |
| 3 x 1½         | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 3 x 2          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 3 x 2½         | ✓          | ✓          | ✓          | -          | ✓          | -          |
| 4 x 1½         | ✓          | -          | -          | ✓          | ✓          | -          |
| 4 x 2          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 4 x 2½         | ✓          | -          | ✓          | -          | ✓          | ✓          |
| 4 x 3          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 5 x 3          | ✓          | ✓          | -          | -          | -          | -          |
| 5 x 4          | ✓          | ✓          | -          | -          | -          | -          |
| 6 x 3          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 6 x 4          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          |
| 6 x 5          | ✓          | ✓          | ✓          | -          | ✓          | ✓          |
| 8 x 4          | ✓          | ✓          | -          | -          | -          | -          |
| 8 x 5          | ✓          | -          | -          | -          | -          | -          |
| 8 x 6          | ✓          | ✓          | ✓          | -          | ✓          | -          |
| 10 x 6         | ✓          | ✓          | -          | -          | -          | -          |
| 10 x 8         | ✓          | ✓          | -          | -          | -          | -          |
| 12 x 6         | -          | -          | -          | -          | ✓          | -          |
| 12 x 8         | ✓          | ✓          | ✓          | -          | -          | -          |
| 12 x 10        | ✓          | ✓          | ✓          | -          | -          | -          |

## Welded Butt Weld Fittings

ASTM A403

316L

# Flanges

ASTM A182, ANSI B16.5

304L & 316L

EN 1092 (BS4504)

| NPS/NB<br>(in) | 150lb<br>RFWN<br>304L |            | 300lb<br>RFWN<br>304L | 150lb<br>RFWN<br>316L |            |            | 300lb<br>RFWN<br>316L |            |            |
|----------------|-----------------------|------------|-----------------------|-----------------------|------------|------------|-----------------------|------------|------------|
|                | SCH<br>10S            | SCH<br>40S | SCH<br>40S            | SCH<br>10S            | SCH<br>40S | SCH<br>80S | SCH<br>10S            | SCH<br>40S | SCH<br>80S |
| ½              | ✓                     | ✓          | ✓                     | ✓                     | ✓          | ✓          | ✓                     | ✓          | ✓          |
| ¾              | ✓                     | ✓          | ✓                     | ✓                     | ✓          | ✓          | ✓                     | ✓          | ✓          |
| 1              | ✓                     | ✓          | ✓                     | ✓                     | ✓          | ✓          | ✓                     | ✓          | ✓          |
| 1¼             |                       |            |                       |                       | ✓          |            |                       |            |            |
| 1½             | ✓                     | ✓          | ✓                     | ✓                     | ✓          | ✓          | ✓                     | ✓          | ✓          |
| 2              | ✓                     | ✓          | ✓                     | ✓                     | ✓          | ✓          | ✓                     | ✓          | ✓          |
| 2½             | ✓                     | ✓          |                       | ✓                     | ✓          |            |                       |            |            |
| 3              | ✓                     | ✓          | ✓                     | ✓                     | ✓          | ✓          | ✓                     | ✓          | ✓          |
| 4              | ✓                     | ✓          | ✓                     | ✓                     | ✓          |            | ✓                     | ✓          |            |
| 6              | ✓                     | ✓          | ✓                     | ✓                     | ✓          |            | ✓                     | ✓          |            |
| 8              | ✓                     | ✓          | ✓                     | ✓                     | ✓          |            |                       |            |            |
| 10             | ✓                     | ✓          | ✓                     | ✓                     | ✓          |            |                       |            |            |
| 12             | ✓                     | ✓          |                       | ✓                     | ✓          |            |                       |            |            |
| 14             |                       |            |                       | ✓                     |            |            |                       |            |            |
| 16             |                       | ✓          |                       | ✓                     |            |            |                       |            |            |
| 18             |                       |            |                       | ✓                     |            |            |                       |            |            |
| 20             |                       |            |                       | ✓                     |            |            |                       |            |            |
| 24             |                       |            |                       | ✓                     |            |            |                       |            |            |

## Flanges

ASTM A182, ANSI B16.5

304L & 316L

EN 1092 (BS4504)

| NPS/NB<br>(in) | 150lb RFSO |      | 300lb RFSO | 150lb RFB |      | 300lb RFB |
|----------------|------------|------|------------|-----------|------|-----------|
|                | 304L       | 316L | 316L       | 304L      | 316L | 316L      |
| ½              | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| ¾              | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| 1              | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| 1¼             | ✓          | ✓    | ✓          | ✓         | ✓    |           |
| 1½             | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| 2              | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| 2½             | ✓          | ✓    |            | ✓         | ✓    |           |
| 3              | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| 4              | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| 5              | ✓          | ✓    |            | ✓         | ✓    |           |
| 6              | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| 8              | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| 10             | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| 12             | ✓          | ✓    | ✓          | ✓         | ✓    | ✓         |
| 14             | ✓          | ✓    |            | ✓         | ✓    |           |
| 16             | ✓          | ✓    |            | ✓         | ✓    |           |
| 18             | ✓          | ✓    |            | ✓         | ✓    |           |
| 20             | ✓          | ✓    |            | ✓         | ✓    |           |
| 24             | ✓          | ✓    |            | ✓         | ✓    |           |



## BSP Fittings 316L

| BSP 150lb FITTINGS (in) | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 |
|-------------------------|-----|-----|-----|-----|-----|---|-------|-------|---|-------|
| Equal Socket (coupling) |     | ✓   | ✓   | ✓   | ✓   | ✓ | ✓     | ✓     | ✓ |       |
| 90° Elbows (female)     |     | ✓   | ✓   | ✓   | ✓   | ✓ | ✓     | ✓     | ✓ |       |
| Half Socket             |     | ✓   | ✓   | ✓   | ✓   | ✓ |       |       |   |       |
| Hexagon Union           |     | ✓   | ✓   | ✓   | ✓   | ✓ | ✓     | ✓     | ✓ |       |
| Square Head Plug        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓ | ✓     | ✓     | ✓ |       |
| Barrel Nipples          | ✓   | ✓   | ✓   | ✓   | ✓   | ✓ | ✓     | ✓     | ✓ | ✓     |
| Hexagon Head Plug       | ✓   | ✓   | ✓   | ✓   | ✓   | ✓ | ✓     | ✓     | ✓ |       |
| Hexagon Nipples         |     | ✓   | ✓   | ✓   | ✓   | ✓ | ✓     | ✓     | ✓ |       |
| Round Blank Cap         |     | ✓   | ✓   | ✓   | ✓   | ✓ | ✓     | ✓     | ✓ |       |
| Weld Nipples            |     | ✓   | ✓   | ✓   | ✓   | ✓ | ✓     | ✓     | ✓ | ✓     |
| Hexagon Back Nut        |     |     |     | ✓   |     |   |       |       |   |       |
| Equal Tee               |     | ✓   | ✓   | ✓   | ✓   | ✓ | ✓     | ✓     | ✓ |       |
| Ball Valve              |     | ✓   | ✓   | ✓   | ✓   | ✓ |       | ✓     | ✓ |       |

| BSP 150lb FITTINGS (in) | Hexagon Reducing Bush | Hexagon Reducing Nipples | Reducing Socket |
|-------------------------|-----------------------|--------------------------|-----------------|
| 1/4 - 1/8               | ✓                     |                          |                 |
| 3/8 - 1/8               | ✓                     |                          |                 |
| 3/8 - 1/4               | ✓                     | ✓                        | ✓               |
| 1/2 - 1/4               | ✓                     | ✓                        |                 |
| 1/2 - 3/8               | ✓                     |                          |                 |
| 3/4 - 1/4               | ✓                     |                          | ✓               |
| 3/4 - 3/8               | ✓                     | ✓                        | ✓               |
| 3/4 - 1/2               | ✓                     | ✓                        | ✓               |
| 1 - 1/4                 | ✓                     |                          |                 |
| 1 - 1/2                 | ✓                     | ✓                        | ✓               |
| 1 - 3/4                 | ✓                     |                          | ✓               |
| 1 1/4 - 1               |                       |                          | ✓               |
| 1 1/2 - 1               | ✓                     |                          |                 |
| 1 1/2 - 1 1/4           | ✓                     |                          |                 |
| 1 1/2 - 1/2             | ✓                     | ✓                        | ✓               |
| 2 - 1 1/2               |                       |                          | ✓               |

| O/D (mm) | Wall (mm) |
|----------|-----------|
| 6        | 1.0       |
| 8        | 1.0       |
| 10       | 1.0       |
| 10       | 2.0       |
| 12       | 1.0       |
| 15       | 1.0       |
| 15       | 1.5       |
| 15       | 2.0       |
| 18       | 1.5       |
| 25       | 1.5       |
| 50       | 2.0       |

| O/D (in)       | Wall (swg) |
|----------------|------------|
| $\frac{1}{8}$  | 25         |
| $\frac{3}{16}$ | 22         |
| $\frac{1}{4}$  | 20         |
| $\frac{1}{4}$  | 18         |
| $\frac{1}{4}$  | 16         |
| $\frac{5}{16}$ | 20         |
| $\frac{3}{8}$  | 20         |
| $\frac{3}{8}$  | 18         |
| $\frac{3}{8}$  | 16         |
| $\frac{1}{2}$  | 18         |
| $\frac{1}{2}$  | 16         |

| O/D (in)        | Wall (swg) |
|-----------------|------------|
| $\frac{5}{8}$   | 20         |
| $\frac{5}{8}$   | 18         |
| $\frac{5}{8}$   | 16         |
| $\frac{3}{4}$   | 20         |
| $\frac{3}{4}$   | 18         |
| $\frac{3}{4}$   | 16         |
| $\frac{7}{8}$   | 18         |
| 1               | 18         |
| 1 $\frac{1}{4}$ | 18         |
| 2               | 16         |

## Seamless Tube

ASTM A269

304L

| O/D (mm) | Wall (mm) |
|----------|-----------|
| 6        | 0.5       |
| 6        | 1.0       |
| 6        | 1.5       |
| 8        | 1.0       |
| 8        | 1.5       |
| 10       | 1.0       |
| 10       | 1.5       |
| 10       | 2.0       |
| 12       | 1.0       |
| 12       | 1.5       |
| 12       | 2.0       |

| O/D (mm) | Wall (mm) |
|----------|-----------|
| 14       | 1.5       |
| 14       | 2.0       |
| 15       | 1.0       |
| 15       | 1.5       |
| 15       | 2.0       |
| 16       | 1.5       |
| 16       | 2.0       |
| 18       | 1.5       |
| 20       | 1.5       |
| 20       | 2.0       |
| 22       | 1.5       |

| O/D (mm) | Wall (mm) |
|----------|-----------|
| 25       | 1.5       |
| 25       | 2.0       |
| 25       | 2.5       |
| 25       | 3.0       |
| 30       | 1.5       |
| 30       | 2.0       |
| 30       | 3.0       |
| 38       | 3.0       |
| 38       | 4.0       |

## Seamless Tube

ASTM A269

316L



# Seamless Tube

ASTM A269

316L

| O/D (in) | Wall (swg) | Wall (in) |
|----------|------------|-----------|
| 1/8      | 24         |           |
| 1/8      | 22         |           |
| 1/8      | 20         |           |
| 3/16     | 24         |           |
| 3/16     | 22         |           |
| 3/16     | 20         |           |
| 3/16     | 18         |           |
| 1/4      | 22         |           |
| 1/4      | 20         |           |
| 1/4      | 18         |           |
| 1/4      | 16         |           |
| 5/16     | 22         |           |
| 5/16     | 20         |           |
| 5/16     | 18         |           |
| 5/16     | 16         |           |
| 3/8      | 22         |           |
| 3/8      | 20         |           |
| 3/8      | 16         |           |
| 3/8      | 14         |           |
| 3/8      |            | 1/8       |
| 7/16     | 20         |           |
| 1/2      | 22         |           |
| 1/2      | 20         |           |
| 1/2      | 18         |           |
| 1/2      | 16         |           |
| 1/2      | 14         |           |

| O/D (in) | Wall (swg) | Wall (in) |
|----------|------------|-----------|
| 1/2      |            | 1/8       |
| 5/8      | 20         |           |
| 5/8      | 18         |           |
| 5/8      | 16         |           |
| 5/8      | 14         |           |
| 5/8      |            | 1/8       |
| 3/4      | 20         |           |
| 3/4      | 18         |           |
| 3/4      | 16         |           |
| 3/4      | 14         |           |
| 3/4      | 12         |           |
| 3/4      |            | 1/8       |
| 3/4      |            | 3/16      |
| 7/8      | 18         |           |
| 7/8      | 16         |           |
| 7/8      | 14         |           |
| 7/8      |            | 1/8       |
| 1        | 20         |           |
| 1        | 18         |           |
| 1        | 16         |           |
| 1        | 14         |           |
| 1        | 12         |           |
| 1        | 10         |           |
| 1        |            | 3/16      |
| 1        |            | 1/4       |
| 1 1/8    | 16         |           |

| O/D (in) | Wall (swg) | Wall (in) |
|----------|------------|-----------|
| 1 1/4    | 18         |           |
| 1 1/4    | 16         |           |
| 1 1/4    | 14         |           |
| 1 1/4    |            | 1/8       |
| 1 3/8    | 16         |           |
| 1 1/2    | 16         |           |
| 1 1/2    | 14         |           |
| 1 1/2    |            | 1/4       |
| 1 1/2    |            | 1/8       |
| 1 3/4    | 16         |           |
| 1 3/4    |            | 1/8       |
| 2        | 16         |           |
| 2        | 14         |           |
| 2        |            | 1/8       |
| 2        |            | 1/4       |
| 2 1/4    | 16         |           |
| 2 1/4    | 10         |           |
| 2 1/4    |            | 1/4       |
| 2 1/2    | 16         |           |
| 2 1/2    |            | 1/8       |
| 2 1/2    |            | 1/4       |
| 3        | 16         |           |
| 3        | 14         |           |
| 3        | 10         |           |
| 3        |            | 1/4       |
| 4        |            | 1/4       |

| O/D<br>(in) | Wall<br>(mm) | Weight<br>per metre (Kg) |
|-------------|--------------|--------------------------|
| 1/2         | 1.2          | 0.35                     |
| 1/2         | 1.5          | 0.42                     |
| 5/8         | 1.2          | 0.44                     |
| 5/8         | 1.5          | 0.54                     |
| 3/4         | 1.2          | 0.53                     |
| 3/4         | 1.5          | 0.66                     |
| 7/8         | 1.2          | 0.63                     |
| 7/8         | 1.5          | 0.77                     |
| 7/8         | 2            | 1.00                     |
| 1           | 1.2          | 0.73                     |
| 1           | 1.5          | 0.90                     |
| 1           | 2            | 1.17                     |
| 1           | 3            | 1.68                     |
| 1 1/8       | 1.5          | 1.00                     |
| 30mm        | 2            | 1.40                     |
| 1 1/4       | 1.2          | 0.92                     |
| 1 1/4       | 1.5          | 1.14                     |
| 1 3/8       | 1.2          | 1.02                     |
| 32mm        | 2            | 1.50                     |
| 1 1/2       | 1.2          | 1.11                     |
| 1 1/2       | 1.5          | 1.38                     |
| 1 1/2       | 2            | 1.81                     |
| 1 1/2       | 3            | 2.64                     |
| 1 3/4       | 1.5          | 1.62                     |
| 50mm        | 2.5          | 2.99                     |
| 50mm        | 3            | 3.55                     |
| 2           | 1.2          | 1.49                     |
| 2           | 1.5          | 1.85                     |
| 2           | 2            | 2.44                     |
| 2           | 3            | 3.59                     |
| 2 1/2       | 1.5          | 2.33                     |
| 3           | 1.5          | 2.80                     |
| 3           | 2            | 3.71                     |
| 3           | 3            | 5.49                     |
| 4           | 1.5          | 3.76                     |
| 4           | 3            | 7.41                     |

## Welded Ornamental Tube

MIRROR POLISHED

600 GRIT

304L / 304

316L / 316

## Welded Tube

SATIN POLISHED

320 GRIT

304L / 304

316L / 316

| O/D (in) | Wall (mm) | Weight per metre (Kg) |
|----------|-----------|-----------------------|
| ½        | 1.2       | 0.36                  |
| ½        | 1.5       | 0.42                  |
| 16mm     | 1.5       | 0.55                  |
| 20mm     | 1.5       | 0.70                  |
| 22mm     | 1.5       | 0.77                  |
| ¾        | 1.5       | 0.66                  |
| 7/8      | 1.5       | 0.77                  |
| 1        | 1.5       | 0.90                  |
| 30mm     | 2         | 1.40                  |
| 1¼       | 1.5       | 1.14                  |
| 1½       | 1.2       | 1.05                  |
| 1½       | 1.5       | 1.38                  |
| 1½       | 3         | 2.63                  |
| 35mm     | 1.5       | 1.26                  |
| 40mm     | 1.5       | 1.45                  |
| 50mm     | 1.5       | 1.82                  |
| 2        | 1.5       | 1.85                  |
| 2        | 2         | 2.44                  |
| 2        | 3         | 3.59                  |

## Welded Tube

DESCALED

MILL FINISH

| O/D (mm) | Wall (mm) | Weight per metre (Kg) |
|----------|-----------|-----------------------|
| 22mm     | 1.5       | 0.77                  |
| 50mm     | 3         | 5.53                  |

| O/D (in) | Wall (swg) | Weight per metre (Kg) |
|----------|------------|-----------------------|
| ¾        | 16         | 0.70                  |
| 1        | 16         | 0.99                  |
| 1½       | 16         | 1.51                  |
| 2        | 16         | 1.88                  |
| 2½       | 16         | 2.49                  |
| 3        | 16         | 3.01                  |
| 4        | 16         | 4.03                  |
| 4        | 14         | 4.98                  |

| O/D (in) | Wall (mm) | Weight per metre (Kg) |
|----------|-----------|-----------------------|
| 1        | 1.5       | 0.90                  |
| 1½       | 1.5       | 1.38                  |
| 2        | 1.5       | 1.85                  |
| 2½       | 1.5       | 2.34                  |
| 3        | 1.5       | 2.81                  |

|                        |
|------------------------|
| RJT & DIN Hexagon Nuts |
| RJT & DIN Weld Liners  |
| RJT & DIN Weld Males   |
| RJT & DIN Joint Rings  |
| RJT & DIN Weld Unions  |
| RJT & DIN Blank Caps   |
| RJT Hose Liners        |
| RJT Blank Nut & Chain  |
| IDF Hex Nuts           |
| IDF Weld Liners        |
| IDF Weld Males         |
| IDF Joint Rings        |
| IDF Weld Unions        |

|   |
|---|
| ISO 90° Bends Polished                            |
| ISO 45° Bends Polished                            |
| ISO 90° Bends Descaled                            |
| ISO 45° Bends Descaled                            |
| <i>Bends are available in long and short type</i> |
| Equal Tee Polished                                |
| Equal Tee Descaled                                |
| Pulled Tee Polished                               |
| Pulled Tee Descaled                               |
| Pulled Red. Tee Polished                          |
| Pulled Red. Tee Descaled                          |
| Hinged Pipe Clips                                 |

## Hygienic Tube

WELDED, ANNEALED  
POLISHED  
BA & DESCALED  
304L & 316L

## Hygienic Tube

WELDED, POLISHED  
& DESCALED  
304L & 316L  
(NOT ANNEALED)

## Hygienic Fittings

304L & 316L

## Square Tube

WELDED  
DULL POLISHED  
304

| Dimensions (mm) | Wall (mm) | Weight per metre (kg) |
|-----------------|-----------|-----------------------|
| 12.7 x 12.7     | 1.20      | 0.44                  |
| 12.7 x 12.7     | 1.50      | 0.55                  |
| 15 x 15         | 1.20      | 0.53                  |
| 15 x 15         | 1.50      | 0.65                  |
| 20 x 20         | 1.20      | 0.71                  |
| 20 x 20         | 1.50      | 0.88                  |
| 20 x 20         | 2.00      | 1.19                  |
| 25 x 25         | 1.20      | 0.92                  |
| 25 x 25         | 1.50      | 1.14                  |
| 25 x 25         | 2.00      | 1.49                  |
| 25 x 25         | 3.00      | 2.20                  |
| 30 x 30         | 1.20      | 1.10                  |
| 30 x 30         | 1.50      | 1.37                  |
| 30 x 30         | 2.00      | 1.84                  |
| 30 x 30         | 3.00      | 2.72                  |

| Dimensions (mm) | Wall (mm) | Weight per metre (kg) |
|-----------------|-----------|-----------------------|
| 40 x 40         | 1.20      | 1.49                  |
| 40 x 40         | 1.50      | 1.85                  |
| 40 x 40         | 2.00      | 2.45                  |
| 40 x 40         | 3.00      | 3.75                  |
| 50 x 50         | 1.50      | 2.32                  |
| 50 x 50         | 2.00      | 3.08                  |
| 50 x 50         | 3.00      | 4.65                  |
| 60 x 60         | 2.00      | 3.71                  |
| 60 x 60         | 3.00      | 5.49                  |
| 70 x 70         | 3.00      | 6.53                  |
| 80 x 80         | 2.00      | 4.98                  |
| 80 x 80         | 3.00      | 7.53                  |
| 100 x 100       | 2.00      | 6.40                  |
| 100 x 100       | 3.00      | 9.53                  |

## Handrail Section

WELDED, UNANNEALED  
DULL POLISHED  
+ FITTINGS (see Page 75)  
304 & 316

| O/D (mm)    | Wall (mm) | Weight per metre (kg) |
|-------------|-----------|-----------------------|
| 42.40 x 2.5 |           | 2.49                  |
| 48.30 x 2.5 |           | 2.86                  |
| 60.30 x 2.5 |           | 3.61                  |

| O/D (in) | Wall (mm) | Weight per metre (kg) |
|----------|-----------|-----------------------|
| 1½       | 3.00      | 2.62                  |
| 2        | 3.00      | 3.57                  |
| 3        | 3.00      | 5.47                  |
| 4        | 3.00      | 7.38                  |

## Square Tube

WELDED  
UNPOLISHED  
304

| Dimensions (mm) | Wall (mm) | Weight per metre (kg) |
|-----------------|-----------|-----------------------|
| 12.7 x 12.7     | 1.20      | 0.44                  |
| 12.7 x 12.7     | 1.50      | 0.55                  |
| 40 x 40         | 4.00      | 4.80                  |
| 50 x 50         | 4.00      | 5.96                  |
| 50 x 50         | 5.00      | 7.41                  |
| 60 x 60         | 4.00      | 7.22                  |
| 60 x 60         | 5.00      | 8.90                  |
| 80 x 80         | 4.00      | 9.82                  |
| 80 x 80         | 5.00      | 12.39                 |
| 100 x 100       | 4.00      | 12.40                 |
| 100 x 100       | 5.00      | 15.38                 |
| 100 x 100       | 6.00      | 17.50                 |
| 100 x 100       | 8.00      | 21.60                 |

| Dimensions (mm) | Wall (mm) | Weight per metre (kg) |
|-----------------|-----------|-----------------------|
| 120 x 120       | 5.00      | 18.66                 |
| 120 x 120       | 6.00      | 21.20                 |
| 150 x 150       | 4.00      | 18.60                 |
| 150 x 150       | 5.00      | 23.00                 |
| 150 x 150       | 6.00      | 31.20                 |
| 150 x 150       | 8.00      | 34.30                 |
| 150 x 150       | 10.00     | 41.65                 |
| 200 x 200       | 5.00      | 30.80                 |
| 200 x 200       | 6.00      | 36.90                 |
| 200 x 200       | 8.00      | 47.25                 |
| 200 x 200       | 10.00     | 57.60                 |
| 250 x 250       | 8.00      | 59.90                 |
| 250 x 250       | 10.00     | 73.50                 |



| Dimensions (mm) | Wall (mm) | Weight per metre (kg) |
|-----------------|-----------|-----------------------|
| 80 x 40         | 4.00      | 7.22                  |
| 80 x 40         | 5.00      | 8.90                  |
| 100 x 50        | 4.00      | 9.09                  |
| 100 x 50        | 5.00      | 11.30                 |
| 120 x 60        | 3.00      | 8.39                  |
| 120 x 60        | 4.00      | 11.10                 |
| 120 x 60        | 5.00      | 13.75                 |
| 120 x 80        | 3.00      | 9.54                  |
| 120 x 80        | 4.00      | 12.40                 |
| 120 x 80        | 5.00      | 15.38                 |
| 150 x 50        | 3.00      | 9.53                  |
| 150 x 50        | 5.00      | 15.38                 |
| 150 x 80        | 3.00      | 10.70                 |
| 150 x 100       | 3.00      | 11.70                 |

| Dimensions (mm) | Wall (mm) | Weight per metre (kg) |
|-----------------|-----------|-----------------------|
| 150 x 100       | 4.00      | 15.40                 |
| 150 x 100       | 5.00      | 18.80                 |
| 150 x 100       | 6.00      | 22.60                 |
| 150 x 100       | 8.00      | 27.90                 |
| 200 x 100       | 4.00      | 18.60                 |
| 200 x 100       | 5.00      | 22.60                 |
| 200 x 100       | 6.00      | 27.40                 |
| 200 x 100       | 8.00      | 34.30                 |
| 200 x 100       | 10.00     | 41.65                 |
| 200 x 150       | 6.00      | 36.90                 |
| 200 x 150       | 8.00      | 41.34                 |
| 300 x 100       | 8.00      | 47.25                 |
| 250 x 150       | 6.00      | 36.90                 |
| 250 x 150       | 8.00      | 47.25                 |

| Dimensions (mm) | Wall (mm) | Weight per metre (kg) |
|-----------------|-----------|-----------------------|
| 20 x 10         | 1.50      | 0.44                  |
| 30 x 10         | 1.20      | 0.71                  |
| 30 x 10         | 1.50      | 0.90                  |
| 30 x 15         | 1.50      | 0.76                  |
| 30 x 20         | 1.50      | 1.14                  |
| 40 x 15         | 1.50      | 1.25                  |
| 40 x 20         | 1.20      | 1.10                  |
| 40 x 20         | 1.50      | 1.37                  |
| 40 x 20         | 2.00      | 1.84                  |
| 50 x 25         | 1.20      | 1.41                  |
| 50 x 25         | 1.50      | 1.75                  |
| 50 x 25         | 2.00      | 2.31                  |
| 50 x 25         | 3.00      | 3.75                  |
| 50 x 30         | 1.50      | 1.85                  |
| 50 x 30         | 3.00      | 3.61                  |
| 60 x 20         | 1.50      | 1.85                  |
| 60 x 20         | 2.00      | 2.45                  |
| 60 x 30         | 2.00      | 2.80                  |
| 60 x 30         | 3.00      | 4.13                  |
| 60 x 40         | 1.50      | 2.32                  |

| Dimensions (mm) | Wall (mm) | Weight per metre (kg) |
|-----------------|-----------|-----------------------|
| 60 x 40         | 2.00      | 3.08                  |
| 60 x 40         | 3.00      | 4.65                  |
| 80 x 40         | 1.50      | 2.80                  |
| 80 x 40         | 2.00      | 3.71                  |
| 80 x 40         | 3.00      | 5.49                  |
| 80 x 40         | 4.00      | 7.22                  |
| 80 x 40         | 5.00      | 8.94                  |
| 80 x 60         | 3.00      | 6.53                  |
| 100 x 40        | 1.50      | 3.29                  |
| 100 x 40        | 3.00      | 6.53                  |
| 100 x 50        | 2.00      | 4.68                  |
| 100 x 50        | 3.00      | 6.95                  |
| 100 x 50        | 4.00      | 9.09                  |
| 100 x 50        | 5.00      | 11.30                 |
| 100 x 60        | 3.00      | 7.53                  |
| 120 x 60        | 3.00      | 8.12                  |
| 120 x 80        | 3.00      | 9.53                  |
| 150 x 100       | 3.00      | 11.70                 |
| 150 x 100       | 5.00      | 18.80                 |

## Rectangular Tube

WELDED

UNPOLISHED

304

## Rectangular Tube

WELDED

DULL POLISHED

304



Righton Blackburns are proud to be the sole UK distributor of Steel Color® - Italy's leading stainless steel specialists in both the INCO and PVD colour process. With advanced technology and unique design and polishing techniques, Righton Blackburns can provide its customers with stainless steel patterns, finishes and custom creations.

Enabling stainless steel to be offered in a vast range, Steel Color® sheets feature brilliant colours including silver, satinising finishes, embossed patterns and etched textures combining to create a product with options limited only by imagination.

## EXCEPTIONAL PERFORMANCE

Not only has Steel Color®, electro-coloured stainless steel, outstanding aesthetic quality, but it also maintains the essential characteristics of the stainless steel material, being equally resistant to corrosion and with the ability to be worked by many processes.

A performance material with different grades formulated for different applications, stainless steel is well known to guarantee permanence, provide hygienic qualities and have outstanding durability, while satisfying all mechanical and thermal requirements.

Steel Color® delivers decoration as well as utility and with a colouring process that does not involve pigments it can be used for external applications without being susceptible to UV degradation.

## APPLICATIONS

Steel Color® has a variety of applications and is ideal for use in the construction industry, in particular façades, the global lift industry and architectural interior applications for urban design.

## OTHER PRODUCTS

Although stainless steel is the main focus of our product range, brass, bronze, copper and aluminium can also be crafted with equal care and precision on a made-to-order basis.

For further information on the full range of colours and sizes available  
please contact your local service centre

# Handrail System, Fixtures & Fittings

## PRO-RAILING - Stainless steel modular system

Righton Blackburns has recently extended its stock of stainless steel architectural products to include the Pro-Railing range of stainless steel fixtures and fittings, including the complete range of handrail fittings.

Righton Blackburns Pro-Railing is a stylish, durable and cost effective stainless steel handrailing component system designed with ease of installation in mind.

The comprehensive range of components allows you to specify and install without the need for fabrication and maximises on-site flexibility for those changes that inevitably arise.

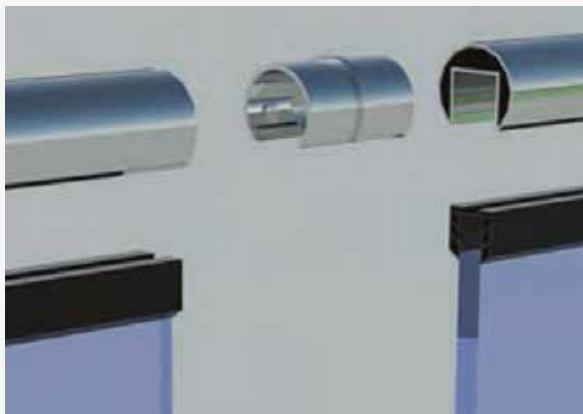
The system enables the most stylish of handrailing and balustrades to be constructed quickly and simply by the contractor. All you have to do is cut, glue or screw to create professional results every time.

Specifiers can be assured that component design and range flexibility means installation by a competent installer is a straight forward process.

We offer a range of infill solutions using glass with glass clamps, wire rope, round and decorative bars. We can also manufacture infill panels incorporating perforated metal, wire mesh and wire rope netting.

The extensive Pro-Railing range is available in 304 and 316 to suit internal and external applications, you can be sure Pro-Railing quality and product care will ensure stunning results.

Full details and installation instructions are available from your local service centre







**RIGHTON  
BLACKBURNS**  
METALS AND PLASTICS

# Copper Alloys



# Copper Alloys

Righton Blackburns range of copper alloys includes brass, copper and bronzes which are widely used in many applications and industries.

Our local stocks are enhanced by our central facility and hold all of the frequently required forms of copper and copper alloys including sheet, plate, machining rod and hollow rod, flat bar, hexagon bar and tube.

We offer a complete range of fabrication and processing services including machining bar, pipe and tube cutting throughout our nationwide network of service centres.

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## Brass Round Bar CW614N/CZ121M

FREE MACHINING BRASS

3M LENGTHS

EN 12164

| Diameter<br>(inches unless<br>specified) | Weight<br>per metre (Kg) |
|--|--------------------------|
| 3mm                                      | 0.06                     |
| $\frac{1}{8}$                            | 0.07                     |
| $\frac{3}{16}$                           | 0.15                     |
| $\frac{5}{32}$                           | 0.10                     |
| 4mm                                      | 0.11                     |
| 5mm                                      | 0.17                     |
| $\frac{7}{32}$                           | 0.21                     |
| 6mm                                      | 0.24                     |
| $\frac{1}{4}$                            | 0.27                     |
| 7mm                                      | 0.33                     |
| $\frac{9}{32}$                           | 0.34                     |
| $\frac{5}{16}$                           | 0.42                     |
| 8mm                                      | 0.43                     |
| $\frac{11}{32}$                          | 0.51                     |
| 9mm                                      | 0.54                     |
| $\frac{3}{8}$                            | 0.61                     |
| 10mm                                     | 0.67                     |
| $\frac{13}{32}$                          | 0.17                     |
| $\frac{15}{32}$                          | 0.95                     |
| $\frac{7}{16}$                           | 0.82                     |
| 12mm                                     | 0.96                     |
| $\frac{1}{2}$                            | 1.08                     |
| 13mm                                     | 1.13                     |
| $\frac{17}{32}$                          | 1.22                     |
| $\frac{9}{16}$                           | 1.36                     |
| 14mm                                     | 1.31                     |
| 15mm                                     | 1.50                     |
| $\frac{5}{8}$                            | 1.63                     |
| 16mm                                     | 1.71                     |
| $\frac{21}{32}$                          | 1.86                     |
| 17mm                                     | 1.92                     |
| $\frac{11}{16}$                          | 2.04                     |
| 18mm                                     | 2.16                     |
| $\frac{23}{32}$                          | 2.23                     |
| $\frac{3}{4}$                            | 2.42                     |
| 20mm                                     | 2.67                     |
| $\frac{13}{16}$                          | 2.84                     |
| 22mm                                     | 3.23                     |
| $\frac{7}{8}$                            | 3.30                     |
| $\frac{15}{16}$                          | 3.79                     |
| $\frac{29}{32}$                          | 3.53                     |
| 24mm                                     | 3.84                     |

| Diameter<br>(inches unless<br>specified) | Weight<br>per metre (Kg) |
|--|--------------------------|
| 25mm                                     | 4.17                     |
| 1  | 4.31                     |
| $1\frac{1}{16}$                          | 4.86                     |
| 26mm                                     | 4.51                     |
| 28mm                                     | 5.23                     |
| $1\frac{1}{8}$                           | 5.45                     |
| 30mm                                     | 6.01                     |
| $1\frac{3}{16}$                          | 6.07                     |
| $1\frac{1}{4}$                           | 6.73                     |
| $1\frac{5}{16}$                          | 7.42                     |
| $1\frac{3}{8}$                           | 8.14                     |
| 35mm                                     | 8.18                     |
| 36mm                                     | 8.65                     |
| $1\frac{7}{16}$                          | 8.90                     |
| $1\frac{1}{2}$                           | 9.69                     |
| 40mm                                     | 10.70                    |
| $1\frac{5}{8}$                           | 11.40                    |
| $1\frac{3}{4}$                           | 13.20                    |
| $1\frac{7}{8}$                           | 15.10                    |
| 50mm                                     | 16.70                    |
| 2  | 17.20                    |
| $2\frac{1}{8}$                           | 19.40                    |
| $2\frac{1}{4}$                           | 21.80                    |
| 60mm                                     | 24.00                    |
| $2\frac{3}{8}$                           | 24.30                    |
| $2\frac{1}{2}$                           | 26.90                    |
| 65mm                                     | 28.21                    |
| $2\frac{5}{8}$                           | 29.70                    |
| $2\frac{3}{4}$                           | 32.60                    |
| 3  | 38.80                    |
| $3\frac{1}{4}$                           | 45.50                    |
| $3\frac{1}{2}$                           | 52.80                    |
| 4  | 68.90                    |
| $4\frac{1}{4}$                           | 77.80                    |
| $4\frac{1}{2}$                           | 87.20                    |
| 130mm                                    | 108.00                   |
| 140mm                                    | 129.00                   |
| 155mm                                    | 155.00                   |
| 180mm                                    | 210.00                   |
| 205mm                                    | 281.00                   |
| 230mm                                    | 353.00                   |
| 255mm                                    | 434.00                   |

| Diameter<br>(inches unless<br>specified) | Weight<br>per metre (Kg) |
|--|--------------------------|
| $\frac{3}{16}$                           | 0.15                     |
| 5mm                                      | 0.17                     |
| $\frac{1}{4}$                            | 0.27                     |
| $\frac{5}{16}$                           | 0.42                     |
| $\frac{3}{8}$                            | 0.61                     |
| 10mm                                     | 0.66                     |

| Diameter<br>(in) | Weight<br>per metre (Kg) |
|------------------|--------------------------|
| $\frac{7}{16}$   | 0.82                     |
| $\frac{1}{2}$    | 1.08                     |
| $\frac{5}{8}$    | 1.68                     |
| $\frac{3}{4}$    | 2.42                     |
| $\frac{7}{8}$    | 3.30                     |
| 1                | 4.31                     |

## Brass Round Bar CW606N/CZ131

RIVETING QUALITY BRASS

3M LENGTHS

EN 12164

| Diameter<br>(in) | Weight<br>per metre (Kg) |
|------------------|--------------------------|
| $\frac{3}{16}$   | 0.15                     |
| $\frac{1}{4}$    | 0.27                     |
| $\frac{5}{16}$   | 0.42                     |
| $\frac{3}{8}$    | 0.61                     |
| $\frac{7}{16}$   | 0.82                     |
| $\frac{1}{2}$    | 1.08                     |
| $\frac{9}{16}$   | 1.32                     |
| $\frac{5}{8}$    | 1.68                     |
| $1\frac{1}{16}$  | 1.97                     |
| $\frac{3}{4}$    | 2.42                     |
| $1\frac{3}{16}$  | 2.75                     |
| $\frac{7}{8}$    | 3.30                     |

| Diameter<br>(in) | Weight<br>per metre (Kg) |
|------------------|--------------------------|
| 1                | 4.31                     |
| $1\frac{1}{8}$   | 5.45                     |
| $1\frac{1}{4}$   | 6.73                     |
| $1\frac{3}{8}$   | 8.14                     |
| $1\frac{1}{2}$   | 9.69                     |
| $1\frac{3}{4}$   | 13.20                    |
| 2                | 17.20                    |
| $2\frac{1}{4}$   | 21.80                    |
| $2\frac{1}{2}$   | 26.90                    |
| $2\frac{3}{4}$   | 32.60                    |
| 3                | 38.80                    |
| 4                | 68.90                    |

## Brass Round Bar CW721R & 722R/CZ114M

HIGH TENSILE BRASS /

MANGANESE BRONZE

3M LENGTHS

EN 12163

| Diameter<br>(in) | Weight<br>per metre (Kg) |
|------------------|--------------------------|
| $\frac{3}{16}$   | 0.15                     |
| $\frac{1}{4}$    | 0.27                     |
| $\frac{5}{16}$   | 0.42                     |
| $\frac{3}{8}$    | 0.61                     |
| $\frac{1}{2}$    | 1.08                     |
| $\frac{9}{16}$   | 1.36                     |
| $\frac{5}{8}$    | 1.67                     |
| $\frac{3}{4}$    | 2.42                     |
| $\frac{7}{8}$    | 3.28                     |
| 1                | 4.31                     |

| Diameter<br>(in) | Weight<br>per metre (Kg) |
|------------------|--------------------------|
| $1\frac{1}{4}$   | 6.73                     |
| $1\frac{1}{2}$   | 9.69                     |
| $1\frac{5}{8}$   | 11.30                    |
| $1\frac{3}{4}$   | 13.11                    |
| 2                | 17.20                    |
| $2\frac{1}{4}$   | 21.70                    |
| $2\frac{1}{2}$   | 26.90                    |
| 3                | 38.80                    |
| 4                | 68.90                    |

## Brass Round Bar CW712R/CZ112

NAVAL BRASS

3M LENGTHS \*

EN 12163

\* Bars over 3 inches in diameter may vary in length

## Brass Hexagon CW614N/CZ121M

FREE MACHINING BRASS  
3M LENGTHS  
EN 12164

| Size AF<br>(inches unless<br>specified) | Weight<br>per metre (Kg) |
|---|--------------------------|
| 0.248                                   | 0.29                     |
| 5mm                                     | 0.18                     |
| $\frac{1}{4}$                           | 0.30                     |
| 6mm                                     | 0.27                     |
| 7mm                                     | 0.36                     |
| $\frac{5}{16}$                          | 0.46                     |
| 8mm                                     | 0.47                     |
| 0.324                                   | 0.50                     |
| $\frac{3}{8}$                           | 0.67                     |
| 10mm                                    | 0.74                     |
| 11mm                                    | 0.89                     |
| 0.445                                   | 0.94                     |
| $\frac{7}{16}$                          | 0.91                     |
| 12mm                                    | 1.06                     |
| $\frac{1}{2}$                           | 1.19                     |
| 13mm                                    | 1.24                     |
| 0.525                                   | 1.31                     |
| 14mm                                    | 1.44                     |
| $\frac{9}{16}$                          | 1.50                     |
| 15mm                                    | 1.65                     |
| 0.60                                    | 1.71                     |
| $\frac{5}{8}$                           | 1.86                     |
| 16mm                                    | 1.88                     |
| 17mm                                    | 2.13                     |
| $\frac{11}{16}$                         | 2.24                     |
| 18mm                                    | 2.37                     |
| 0.71                                    | 2.39                     |
| 19mm                                    | 2.66                     |
| $\frac{3}{4}$                           | 2.67                     |
| $\frac{13}{16}$                         | 3.14                     |
| 20mm                                    | 2.95                     |
| 0.820                                   | 3.19                     |
| 22mm                                    | 3.56                     |

| Size AF<br>(inches unless<br>specified) | Weight<br>per metre (Kg) |
|---|--------------------------|
| $\frac{7}{8}$                           | 3.69                     |
| 0.920                                   | 4.02                     |
| $\frac{15}{16}$                         | 4.17                     |
| 24mm                                    | 4.24                     |
| 25mm                                    | 4.58                     |
| 1                                       | 4.75                     |
| 1.010                                   | 4.84                     |
| $1\frac{1}{16}$                         | 5.36                     |
| 1.100                                   | 5.76                     |
| $1\frac{1}{8}$                          | 6.01                     |
| 30mm                                    | 6.63                     |
| 1.200                                   | 6.84                     |
| $1\frac{1}{4}$                          | 7.42                     |
| 32mm                                    | 7.54                     |
| 1.300                                   | 8.03                     |
| $1\frac{5}{16}$                         | 8.29                     |
| $1\frac{3}{8}$                          | 8.98                     |
| 36mm                                    | 9.54                     |
| 1.480                                   | 10.40                    |
| $1\frac{1}{2}$                          | 10.70                    |
| $1\frac{5}{8}$                          | 12.50                    |
| 41mm                                    | 12.40                    |
| 1.670                                   | 13.20                    |
| $1\frac{3}{4}$                          | 14.50                    |
| 1.860                                   | 16.40                    |
| 46mm                                    | 15.60                    |
| 50mm                                    | 18.40                    |
| 2.050                                   | 19.90                    |
| 2.200                                   | 23.00                    |
| $2\frac{1}{2}$                          | 29.70                    |
| 65mm                                    | 31.10                    |
| $2\frac{3}{4}$                          | 35.90                    |
| 3                                       | 42.70                    |

| Size (in)  | Weight per metre (Kg) |
|--|-----------------------|
| $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{8}$    | 0.30                  |
| $\frac{3}{4} \times \frac{3}{4} \times \frac{1}{8}$    | 0.94                  |
| $1 \times 1 \times \frac{1}{8}$                        | 1.29                  |
| $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{8}$  | 1.63                  |
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$  | 1.97                  |
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$ | 2.89                  |

| Size (in)   | Weight per metre (Kg) |
|---|-----------------------|
| $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$ | 3.77                  |
| $2 \times 2 \times \frac{1}{8}$                       | 2.66                  |
| $2 \times 2 \times \frac{3}{16}$                      | 3.99                  |
| $2 \times 2 \times \frac{1}{4}$                       | 5.14                  |
| $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{1}{4}$ | 6.43                  |
| $3 \times 3 \times 1\frac{1}{4}$                      | 7.71                  |

## Brass Angle CW624N/CZI30

12 FT LENGTHS  
EN 12167

| Size (in)      | Weight per metre (Kg) |
|----------------|-----------------------|
| $\frac{1}{8}$  | 0.09                  |
| $\frac{3}{16}$ | 0.19                  |
| $\frac{1}{4}$  | 0.34                  |
| $\frac{5}{16}$ | 0.54                  |
| $\frac{3}{8}$  | 0.77                  |
| $\frac{7}{16}$ | 1.05                  |
| $\frac{1}{2}$  | 1.37                  |
| $\frac{5}{8}$  | 2.14                  |
| $\frac{3}{4}$  | 3.08                  |
| $\frac{7}{8}$  | 4.20                  |

| Size (in)      | Weight per metre (Kg) |
|----------------|-----------------------|
| 1              | 5.48                  |
| $1\frac{1}{4}$ | 8.57                  |
| $1\frac{1}{2}$ | 12.30                 |
| $1\frac{3}{4}$ | 16.80                 |
| 2              | 21.90                 |
| $2\frac{1}{4}$ | 27.80                 |
| $2\frac{1}{2}$ | 34.00                 |
| $2\frac{3}{4}$ | 41.50                 |
| 3              | 49.40                 |

## Brass Square CW614N/CZI21M

FREE MACHINING BRASS  
3M LENGTHS  
EN 12164

| Size (in)                  | Weight per metre (Kg) |
|----------------------------|-----------------------|
| $\frac{3}{8}$ O/D x 20 swg | 0.21                  |
| $\frac{3}{8}$ O/D x 18 swg | 0.27                  |
| $\frac{1}{2}$ O/D x 20 swg | 0.29                  |
| $\frac{1}{2}$ O/D x 18 swg | 0.37                  |
| $\frac{1}{2}$ O/D x 16 swg | 0.48                  |
| $\frac{5}{8}$ O/D x 20 swg | 0.37                  |
| $\frac{5}{8}$ O/D x 16 swg | 0.62                  |
| $\frac{3}{4}$ O/D x 16 swg | 0.75                  |
| $\frac{3}{4}$ O/D x 20 swg | 0.44                  |
| $\frac{3}{4}$ O/D x 18 swg | 0.58                  |
| $\frac{7}{8}$ O/D x 20 swg | 0.52                  |
| 1 O/D x 20 swg             | 0.59                  |
| 1 O/D x 18 swg             | 0.78                  |
| 1 O/D x 16 swg             | 1.03                  |

| Size (in)                   | Weight per metre (Kg) |
|-----------------------------|-----------------------|
| 1 O/D x 10 swg              | 1.91                  |
| $1\frac{1}{4}$ O/D x 16 swg | 1.30                  |
| $1\frac{1}{2}$ O/D x 20 swg | 0.90                  |
| $1\frac{1}{2}$ O/D x 18 swg | 1.19                  |
| $1\frac{1}{2}$ O/D x 16 swg | 1.57                  |
| $1\frac{1}{2}$ O/D x 10 swg | 3.03                  |
| $1\frac{3}{4}$ O/D x 16 swg | 1.85                  |
| 2 O/D x 20 swg              | 1.22                  |
| 2 O/D x 18 swg              | 1.60                  |
| 2 O/D x 16 swg              | 2.12                  |
| 2 O/D x 10 swg              | 4.13                  |
| $2\frac{1}{2}$ O/D x 16 swg | 2.67                  |
| 3 O/D x 16 swg              | 3.22                  |

## Brass Tube CW508L/CZI08

HALF HARD  
5M LENGTHS  
EN 12449

## Brass Flat Bar CW614N/CZ121

FREE MACHINING BRASS  
12 FT LENGTHS  
EN 12167

| Size (in)                          | Weight per metre (Kg) |
|------------------------------------|-----------------------|
| $\frac{3}{8} \times \frac{1}{8}$   | 0.26                  |
| $\frac{3}{8} \times \frac{3}{16}$  | 0.38                  |
| $\frac{3}{8} \times \frac{1}{4}$   | 0.52                  |
| $\frac{1}{2} \times \frac{1}{8}$   | 0.34                  |
| $\frac{1}{2} \times \frac{3}{16}$  | 0.50                  |
| $\frac{1}{2} \times \frac{1}{4}$   | 0.69                  |
| $\frac{1}{2} \times \frac{5}{16}$  | 0.83                  |
| $\frac{1}{2} \times \frac{3}{8}$   | 1.03                  |
| $\frac{5}{8} \times \frac{1}{8}$   | 0.43                  |
| $\frac{5}{8} \times \frac{1}{4}$   | 0.86                  |
| $\frac{5}{8} \times \frac{3}{8}$   | 1.29                  |
| $\frac{5}{8} \times \frac{1}{2}$   | 1.71                  |
| $\frac{3}{4} \times \frac{1}{8}$   | 0.51                  |
| $\frac{3}{4} \times \frac{3}{16}$  | 0.77                  |
| $\frac{3}{4} \times \frac{1}{4}$   | 1.03                  |
| $\frac{3}{4} \times \frac{5}{16}$  | 1.28                  |
| $\frac{3}{4} \times \frac{3}{8}$   | 1.54                  |
| $\frac{3}{4} \times \frac{1}{2}$   | 2.06                  |
| $\frac{3}{4} \times \frac{5}{8}$   | 2.55                  |
| $1 \times \frac{1}{8}$             | 0.69                  |
| $1 \times \frac{3}{16}$            | 1.03                  |
| $1 \times \frac{1}{4}$             | 1.37                  |
| $1 \times \frac{5}{16}$            | 1.72                  |
| $1 \times \frac{3}{8}$             | 2.06                  |
| $1 \times \frac{1}{2}$             | 2.74                  |
| $1 \times \frac{5}{8}$             | 3.45                  |
| $1 \times \frac{3}{4}$             | 4.11                  |
| $1\frac{1}{4} \times \frac{1}{8}$  | 0.85                  |
| $1\frac{1}{4} \times \frac{1}{4}$  | 1.71                  |
| $1\frac{1}{4} \times \frac{3}{8}$  | 2.57                  |
| $1\frac{1}{4} \times \frac{1}{2}$  | 3.43                  |
| $1\frac{1}{4} \times \frac{3}{4}$  | 5.14                  |
| $1\frac{1}{4} \times 1$            | 6.85                  |
| $1\frac{1}{2} \times \frac{1}{8}$  | 1.03                  |
| $1\frac{1}{2} \times \frac{3}{16}$ | 1.54                  |
| $1\frac{1}{2} \times \frac{1}{4}$  | 2.06                  |
| $1\frac{1}{2} \times \frac{3}{8}$  | 3.08                  |
| $1\frac{1}{2} \times \frac{1}{2}$  | 4.11                  |

| Size (in)                          | Weight per metre (Kg) |
|------------------------------------|-----------------------|
| $1\frac{1}{2} \times \frac{5}{8}$  | 5.15                  |
| $1\frac{1}{2} \times \frac{3}{4}$  | 6.11                  |
| $1\frac{1}{2} \times 1$            | 8.23                  |
| $1\frac{3}{4} \times \frac{1}{2}$  | 4.75                  |
| $2 \times \frac{1}{8}$             | 1.37                  |
| $2 \times \frac{3}{16}$            | 2.06                  |
| $2 \times \frac{1}{4}$             | 2.74                  |
| $2 \times \frac{3}{8}$             | 4.11                  |
| $2 \times \frac{1}{2}$             | 5.48                  |
| $2 \times \frac{5}{8}$             | 6.79                  |
| $2 \times \frac{3}{4}$             | 8.17                  |
| $2 \times 1$                       | 11.00                 |
| $2 \times 1\frac{1}{4}$            | 13.75                 |
| $2 \times 1\frac{1}{2}$            | 16.30                 |
| $2\frac{1}{2} \times \frac{1}{4}$  | 3.43                  |
| $2\frac{1}{2} \times \frac{3}{8}$  | 5.08                  |
| $2\frac{1}{2} \times \frac{1}{2}$  | 6.86                  |
| $2\frac{1}{2} \times \frac{3}{4}$  | 10.02                 |
| $2\frac{1}{2} \times 1$            | 13.60                 |
| $2\frac{1}{2} \times 1\frac{1}{4}$ | 17.03                 |
| $2\frac{1}{2} \times 1\frac{1}{2}$ | 20.30                 |
| $2\frac{1}{2} \times 1\frac{3}{4}$ | 23.73                 |
| $3 \times \frac{1}{8}$             | 2.06                  |
| $3 \times \frac{1}{4}$             | 4.11                  |
| $3 \times \frac{3}{8}$             | 6.17                  |
| $3 \times \frac{1}{2}$             | 8.23                  |
| $3 \times 1$                       | 16.50                 |
| $3 \times 1\frac{1}{2}$            | 24.70                 |
| $3 \times 2$                       | 32.90                 |
| $4 \times \frac{1}{8}$             | 2.74                  |
| $4 \times \frac{1}{4}$             | 5.48                  |
| $4 \times \frac{3}{8}$             | 8.17                  |
| $4 \times \frac{1}{2}$             | 11.00                 |
| $4 \times \frac{3}{4}$             | 16.30                 |
| $4 \times 1$                       | 21.90                 |
| $4 \times 1\frac{1}{2}$            | 32.70                 |
| $4 \times 2$                       | 43.90                 |

| Size                 | Weight per sheet (Kg) |
|----------------------|-----------------------|
| 2m x 1m x 0.45mm     | 8.00                  |
| 4' x 2' x 26 swg     | 2.90                  |
| 2m x 1m x 0.55mm *   | 9.30                  |
| 4' x 2' x 0.55mm     | 3.45                  |
| 2m x 1m x 0.7mm *    | 11.80                 |
| 4' x 2' x 0.7mm      | 4.40                  |
| 8' x 1m x 0.9mm      | 19.00                 |
| 2m x 1m x 0.9mm *    | 15.20                 |
| 4' x 2' x 0.9mm      | 5.65                  |
| 2.5m x 1.25m x 1.2mm | 31.72                 |
| 8' x 1mm x 1.2mm *   | 25.00                 |
| 2m x 1m x 1.2mm *    | 20.30                 |
| 4' x 2' x 18 swg     | 7.54                  |
| 2.5m x 1.25m x 1.5mm | 39.53                 |
| 4' x 2' x 16 swg     | 10.00                 |

| Size               | Weight per sheet (Kg) |
|--------------------|-----------------------|
| 8' x 1m x 1.5mm *  | 31.00                 |
| 2m x 1m x 1.5mm *  | 25.30                 |
| 2.5m x 1.25m x 2mm | 52.81                 |
| 2m x 1m x 2mm *    | 33.80                 |
| 4' x 2' x 2mm      | 12.60                 |
| 2m x 1m x 2.5mm *  | 42.25                 |
| 4' x 2' x 12 swg   | 16.70                 |
| 2m x 1m x 3mm *    | 50.70                 |
| 2.5m x 1.25m x 3mm | 79.21                 |
| 4' x 2' x 3mm      | 19.18                 |
| 4' x 2' x 10 swg   | 20.40                 |
| 2m x 1m x 4mm      | 67.60                 |
| 2m x 1m x 5mm      | 86.00                 |
| 2m x 1m x 3/16"    | 80.00                 |
| 2m x 1m x 1/4"     | 107.00                |

\* Also stocked Bright Polished and Plastic Coated one side

| Size             | Weight per sheet (Kg) |
|------------------|-----------------------|
| 2m x 1m x 0.45mm | 8.00                  |
| 2m x 1m x 0.55mm | 9.30                  |
| 4' x 2' x 24 swg | 3.45                  |
| 2m x 1m x 0.7mm  | 11.80                 |
| 2m x 1m x 0.9mm  | 15.20                 |

| Size             | Weight per sheet (Kg) |
|------------------|-----------------------|
| 4' x 2' x 20 swg | 5.65                  |
| 2m x 1m x 1.2mm  | 20.30                 |
| 4' x 2' x 18 swg | 7.54                  |
| 2m x 1m x 1.6mm  | 27.00                 |
| 2m x 1m x 2mm    | 33.83                 |

## Brass Sheet CW508L-H095/ CZ108-H/H

EN 1652

## Brass Sheet CW505L/CZ106

70/30 SOFT

SPINNING QUALITY

EN 1652



## Copper Round Bar CW004A/C101

**HARD DRAWN**  
**HIGH CONDUCTIVITY**  
**4M - 4.2M LENGTHS**  
**EN 13601**

| Diameter<br>(inches unless<br>specified) | Weight<br>per metre (Kg) |
|--|--------------------------|
| ¼  | 0.28                     |
| ⅕  | 0.44                     |
| ⅜  | 0.63                     |
| 10mm                                     | 0.70                     |
| 12mm                                     | 1.01                     |
| ½  | 1.13                     |
| ⅝  | 1.76                     |
| 16mm                                     | 1.79                     |
| 20mm                                     | 2.80                     |
| ¾  | 2.54                     |
| ⅞  | 3.45                     |
| 25mm                                     | 4.39                     |
| 1  | 4.51                     |
| 1⅝                                       | 5.71                     |
| 30mm                                     | 6.32                     |

| Diameter<br>(inches unless<br>specified) | Weight<br>per metre (Kg) |
|--|--------------------------|
| 1¼                                       | 7.05                     |
| 1⅜                                       | 8.53                     |
| 1½                                       | 10.00                    |
| 40mm                                     | 11.20                    |
| 1⅝                                       | 11.90                    |
| 1¾                                       | 13.80                    |
| 45mm                                     | 14.10                    |
| 50mm                                     | 17.40                    |
| 2  | 18.00                    |
| 2¼                                       | 22.80                    |
| 2½                                       | 28.20                    |
| 2¾                                       | 34.10                    |
| 3  | 40.60                    |
| 3¼                                       | 45.30                    |
| 4  | 72.20                    |

## Copper Round Bar CW114C/C111

**HARD**  
**3M - 3.2M LENGTHS**  
**EN 12614**

| Diameter<br>(in) | Weight<br>per metre (Kg) |
|------------------|--------------------------|
| ½                | 1.13                     |
| ¾                | 2.54                     |
| 1                | 4.51                     |

## Copper Flat Bar CW004A/C101

HARD DRAWN

HIGH CONDUCTIVITY

RADIUS EDGE

4M - 4.2M LENGTHS

EN 13601

| Size<br>(inches unless<br>specified) | Weight<br>per metre (Kg) |
|--------------------------------------|--------------------------|
| 1/2 x 1/8                            | 0.36                     |
| 1/2 x 3/16                           | 0.54                     |
| 1/2 x 1/4                            | 0.72                     |
| 5/8 x 1/8                            | 0.45                     |
| 3/4 x 1/8                            | 0.54                     |
| 3/4 x 3/16                           | 0.81                     |
| 3/4 x 1/4                            | 1.08                     |
| 20mm x 5mm                           | 0.89                     |
| 20mm x 6mm                           | 1.07                     |
| 20mm x 10mm                          | 1.78                     |
| 25mm x 3mm                           | 0.67                     |
| 25mm x 5mm                           | 1.11                     |
| 25mm x 6mm                           | 1.34                     |
| 25mm x 10mm                          | 2.22                     |
| 1 x 1/8                              | 0.72                     |
| 1 x 3/16                             | 1.08                     |
| 1 x 1/4                              | 1.44                     |
| 1 x 1/2                              | 2.87                     |
| 30mm x 3mm                           | 0.80                     |
| 30mm x 5mm                           | 1.34                     |
| 30mm x 6mm                           | 1.61                     |
| 30mm x 10mm                          | 2.67                     |
| 1 1/4 x 1/8                          | 0.90                     |
| 1 1/4 x 3/16                         | 1.35                     |
| 1 1/4 x 1/4                          | 1.79                     |
| 1 1/2 x 1/8                          | 1.08                     |
| 1 1/2 x 1/4                          | 2.15                     |
| 1 1/2 x 3/8                          | 3.23                     |
| 1 1/2 x 1/2                          | 4.31                     |
| 40mm x 5mm                           | 1.78                     |
| 40mm x 6mm                           | 2.14                     |
| 40mm x 8mm                           | 2.85                     |
| 40mm x 10mm                          | 3.56                     |
| 50mm x 3mm                           | 1.34                     |
| 50mm x 5mm                           | 2.23                     |

| Size<br>(inches unless<br>specified) | Weight<br>per metre (Kg) |
|--------------------------------------|--------------------------|
| 50mm x 6mm                           | 2.67                     |
| 50mm x 8mm                           | 3.57                     |
| 50mm x 10mm                          | 4.45                     |
| 2 x 1/8                              | 1.44                     |
| 2 x 3/16                             | 2.15                     |
| 2 x 1/4                              | 2.87                     |
| 2 x 3/8                              | 4.31                     |
| 2 x 1/2                              | 5.74                     |
| 2 x 3/4                              | 8.61                     |
| 60mm x 6mm                           | 3.20                     |
| 60mm x 10mm                          | 5.34                     |
| 2 1/2 x 1/4                          | 5.59                     |
| 2 1/2 x 3/8                          | 5.38                     |
| 2 1/2 x 1/2                          | 7.18                     |
| 3 x 1/4                              | 4.31                     |
| 3 x 3/8                              | 6.46                     |
| 3 x 1/2                              | 8.61                     |
| 80mm x 10mm                          | 7.12                     |
| 80mm x 12mm                          | 8.54                     |
| 100mm x 6mm                          | 5.34                     |
| 100mm x 10mm                         | 8.90                     |
| 100mm x 12mm                         | 10.60                    |
| 4 x 1/4                              | 5.74                     |
| 4 x 3/8                              | 8.61                     |
| 4 x 1/2                              | 11.50                    |
| 120mm x 6mm                          | 6.42                     |
| 120mm x 10mm                         | 10.70                    |
| 5 x 1/4                              | 7.18                     |
| 5 x 1/2                              | 14.30                    |
| 150mm x 6mm                          | 8.02                     |
| 150mm x 10mm                         | 13.40                    |
| 6 x 1/4                              | 8.61                     |
| 6 x 1/2                              | 17.20                    |
| 160mm x 10mm                         | 14.20                    |
| 200mm x 10mm                         | 17.80                    |

## Copper Sheet CW024A/CI06

HALF HARD  
EN 1652

| Size                 | Weight<br>per sheet (Kg) |
|----------------------|--------------------------|
| 2m x 1m x 0.55mm     | 9.79                     |
| 4' x 2' x 24 swg     | 3.64                     |
| 2m x 1m x 0.7mm      | 12.50                    |
| 4' x 2' x 22 swg     | 4.63                     |
| 2m x 1m x 0.9mm      | 16.00                    |
| 4' x 2' x 20 swg     | 5.95                     |
| 2.5 x 1.25m x 1.2mm  | 33.30                    |
| 2m x 1m x 1.2mm      | 21.40                    |
| 4' x 2' x 18 swg     | 7.94                     |
| 2.5m x 1.25m x 1.5mm | 41.70                    |
| 2m x 1m x 1.5mm      | 26.72                    |
| 4' x 2' x 16 swg     | 10.60                    |
| 2.5m x 1.25m x 2mm   | 55.60                    |
| 2m x 1m x 2mm        | 35.60                    |

| Size                     | Weight<br>per sheet (Kg) |
|--------------------------|--------------------------|
| 4' x 2' x 14 swg         | 13.20                    |
| 2m x 1m x 2.5mm          | 44.50                    |
| 4' x 2' x 12 swg         | 17.46                    |
| 2.5m x 1.25m x 3mm       | 83.40                    |
| 2m x 1m x 3mm            | 53.40                    |
| 4' x 2' x 10 swg         | 21.50                    |
| 2m x 1m x 4mm            | 74.00                    |
| 4' x 2' x $\frac{3}{16}$ | 31.50                    |
| 2m x 1m x 5mm            | 89.00                    |
| 2m x 1m x 6mm            | 106.00                   |
| 2.5m x 1.25m x 6mm       | 174.00                   |
| 2.5m x 1.25m x 8mm       | 235.00                   |
| 2.5m x 1.25m x 10mm      | 289.00                   |

## Copper Sheet CW004A/CI01

HALF HARD  
EN 1652

| Size               | Weight<br>per sheet (Kg) |
|--------------------|--------------------------|
| 2m x 1m x 0.9mm    | 16.00                    |
| 4' x 2' x 20 swg   | 5.94                     |
| 2m x 1m x 1.2mm    | 21.40                    |
| 2m x 1m x 1.5mm    | 26.70                    |
| 1200 x 600 x 1.6mm | 10.20                    |

| Size             | Weight<br>per sheet (Kg) |
|------------------|--------------------------|
| 2m x 1m x 2mm    | 35.60                    |
| 1200 x 600 x 2mm | 12.80                    |
| 2m x 1m x 3mm    | 53.40                    |
| 4' x 2' x 10 swg | 21.50                    |
| 2m x 1m x 4mm    | 74.00                    |

## Copper Tube CW024A/CI06

HALF HARD  
6M LENGTHS  
EN 12449

| Size<br>(in)               | Weight<br>per metre (Kg) |
|----------------------------|--------------------------|
| $\frac{1}{4}$ O/D x 20 swg | 0.14                     |
| $\frac{1}{4}$ O/D x 18 swg | 0.17                     |
| $\frac{3}{8}$ O/D x 20 swg | 0.22                     |
| $\frac{3}{8}$ O/D x 18 swg | 0.29                     |
| $\frac{1}{2}$ O/D x 20 swg | 0.30                     |
| $\frac{1}{2}$ O/D x 18 swg | 0.39                     |
| $\frac{1}{2}$ O/D x 16 swg | 0.50                     |
| $\frac{5}{8}$ O/D x 20 swg | 0.38                     |
| $\frac{3}{4}$ O/D x 20 swg | 0.46                     |
| $\frac{3}{4}$ O/D x 18 swg | 0.61                     |
| $\frac{3}{4}$ O/D x 16 swg | 0.79                     |

| Size<br>(in)                 | Weight<br>per metre (Kg) |
|------------------------------|--------------------------|
| $\frac{7}{8}$ O/D x 20 swg   | 0.54                     |
| $\frac{7}{8}$ O/D x 16 swg   | 0.94                     |
| $\frac{7}{8}$ O/D x 18 swg   | 0.72                     |
| 1 O/D x 20 swg               | 0.63                     |
| 1 O/D x 18 swg               | 0.83                     |
| 1 O/D x 16 swg               | 1.08                     |
| 1 $\frac{1}{4}$ O/D x 16 swg | 1.37                     |
| 1 $\frac{1}{2}$ O/D x 16 swg | 1.66                     |
| 2 O/D x 16 swg               | 2.24                     |
| 2 $\frac{1}{2}$ O/D x 16 swg | 2.81                     |

## Aluminium Bronze Round Bar

DEFSTAN 02-833  
(NES 833)  
CAI04 / BSB23  
CW307G

| Diameter<br>(in) | Weight<br>per metre (Kg) |
|------------------|--------------------------|
| 3/8              | 0.56                     |
| 1/2              | 0.97                     |
| 5/8              | 1.52                     |
| 3/4              | 2.19                     |
| 7/8              | 2.97                     |
| 1                | 3.88                     |
| 1 1/8            | 4.89                     |
| 1 1/4            | 6.10                     |
| 1 3/8            | 7.32                     |
| 1 1/2            | 8.73                     |
| 1 5/8            | 10.24                    |
| 1 3/4            | 11.88                    |
| 1 7/8            | 13.65                    |
| 2                | 15.52                    |
| 2 1/8            | 17.52                    |
| 2 1/4            | 19.66                    |
| 2 3/8            | 21.95                    |

| Diameter<br>(in) | Weight<br>per metre (Kg) |
|------------------|--------------------------|
| 2 1/2            | 24.28                    |
| 2 5/8            | 26.48                    |
| 2 3/4            | 29.36                    |
| 3                | 34.95                    |
| 3 1/4            | 41.01                    |
| 3 1/2            | 47.57                    |
| 3 3/4            | 54.62                    |
| 4                | 62.15                    |
| 4 1/4            | 70.20                    |
| 4 1/2            | 78.68                    |
| 120mm            | 85.80                    |
| 4 3/4            | 87.64                    |
| 5                | 97.12                    |
| 130mm            | 100.70                   |
| 5 1/4            | 107.10                   |
| 5 1/2            | 117.53                   |

| Diameter<br>(in) | Weight<br>per metre (Kg) |
|------------------|--------------------------|
| 13mm             | 1.11                     |
| 17mm             | 1.90                     |
| 19mm             | 2.37                     |
| 22mm             | 3.18                     |
| 27mm             | 4.79                     |
| 30mm             | 5.91                     |
| 36mm             | 8.52                     |
| 46mm             | 12.63                    |
| 0.92             | 3.61                     |
| 0.937            | 3.72                     |
| 1.01             | 4.40                     |
| 1.1              | 5.15                     |

| Diameter<br>(in) | Weight<br>per metre (Kg) |
|------------------|--------------------------|
| 1.125            | 5.38                     |
| 1.2              | 6.23                     |
| 1.3              | 7.28                     |
| 1.3125           | 7.30                     |
| 1.48             | 9.19                     |
| 1.625            | 11.22                    |
| 1.67             | 11.81                    |
| 1.86             | 14.76                    |
| 2.05             | 17.84                    |
| 2.2              | 21.30                    |
| 2.22             | 21.46                    |

## Aluminium Bronze Hexagon

DEFSTAN 02-833  
(NES 833)

## Leaded Gunmetal Round Bar

C93200 (SAE 660)

| Diameter (in) | Weight per metre (Kg) |
|---------------|-----------------------|
| 1/2           | 0.11                  |
| 5/8           | 1.97                  |
| 3/4           | 2.83                  |
| 7/8           | 3.67                  |
| 1             | 4.92                  |
| 1 1/4         | 7.54                  |
| 1 1/2         | 10.77                 |
| 1 5/8         | 12.69                 |
| 1 3/4         | 14.58                 |
| 2             | 18.92                 |
| 2 1/4         | 23.23                 |
| 2 1/2         | 29.32                 |
| 2 3/4         | 34.74                 |

| Diameter (in) | Weight per metre (Kg) |
|---------------|-----------------------|
| 3             | 42.42                 |
| 3 1/4         | 48.23                 |
| 3 1/2         | 57.23                 |
| 3 3/4         | 48.23                 |
| 4             | 75.75                 |
| 4 1/2         | 95.95                 |
| 5             | 118.20                |
| 5 1/2         | 142.60                |
| 6             | 169.10                |
| 6 1/2         | 169.10                |
| 7             | 229.50                |
| 7 1/2         | 256.57                |
| 8             | 292.00                |

## Phosphor Bronze Round Bar

CW451K (PBI02)

| Diameter (in) | Weight per metre (Kg) |
|---------------|-----------------------|
| 5/32          | 0.11                  |
| 3/16          | 0.15                  |
| 1/4           | 0.27                  |
| 5/16          | 0.43                  |
| 3/8           | 0.62                  |
| 7/16          | 0.84                  |
| 1/2           | 1.09                  |
| 5/8           | 1.69                  |
| 3/4           | 2.43                  |
| 7/8           | 3.30                  |
| 1             | 4.33                  |
| 1 1/8         | 5.48                  |
| 1 1/4         | 6.77                  |
| 1 3/8         | 8.19                  |
| 1 1/2         | 9.74                  |

| Diameter (in) | Weight per metre (Kg) |
|---------------|-----------------------|
| 1 5/8         | 11.41                 |
| 1 3/4         | 13.23                 |
| 2             | 17.47                 |
| 2 1/8         | 19.59                 |
| 2 1/4         | 21.92                 |
| 2 1/2         | 27.07                 |
| 2 3/4         | 32.83                 |
| 3             | 38.99                 |
| 3 1/4         | 45.75                 |
| 3 1/2         | 53.03                 |
| 3 3/4         | 61.92                 |
| 4             | 70.45                 |
| 4 1/4         | 79.53                 |
| 4 1/2         | 89.16                 |

| Diameter (in) | Weight per metre (Kg) |
|---------------|-----------------------|
| 1½            | 8.73                  |
| 2             | 15.52                 |
| 2¼            | 19.66                 |
| 2½            | 24.28                 |
| 2¾            | 29.36                 |
| 3             | 34.95                 |
| 3¼            | 41.01                 |

| Diameter (in) | Weight per metre (Kg) |
|---------------|-----------------------|
| 3½            | 47.57                 |
| 3¾            | 54.62                 |
| 4             | 62.15                 |
| 4¼            | 70.20                 |
| 4½            | 78.78                 |
| 5             | 97.12                 |
| 5¼            | 107.10                |

## C63000 / AMS4640 Round Bar

ASTM B150

| Diameter (mm) | Weight per metre (Kg) |
|---------------|-----------------------|
| 25            | 4.35                  |
| 30            | 6.28                  |
| 35            | 8.60                  |
| 40            | 11.14                 |
| 45            | 14.10                 |
| 50            | 17.50                 |
| 55            | 21.12                 |
| 60            | 25.20                 |
| 65            | 29.52                 |
| 70            | 34.41                 |
| 75            | 39.50                 |
| 80            | 44.82                 |
| 85            | 50.74                 |

| Diameter (mm) | Weight per metre (Kg) |
|---------------|-----------------------|
| 90            | 56.80                 |
| 95            | 62.85                 |
| 105           | 76.75                 |
| 110           | 84.23                 |
| 120           | 100.25                |
| 130           | 117.65                |
| 140           | 136.26                |
| 160           | 178.21                |
| 170           | 201.20                |
| 180           | 225.55                |
| 200           | 278.46                |
| 230           | 368.26                |

## 70/30 Copper Nickel Round Bar

DEFSTAN 02-780 / 879

| Diameter (in) | Weight per metre (Kg) |
|---------------|-----------------------|
| 1¼            | 7.18                  |
| 1½            | 10.2                  |
| 1⅞            | 17.0                  |
| 2             | 18.2                  |
| 2¼            | 22.1                  |
| 2½            | 28.8                  |
| 65mm          | 29.5                  |
| 2¾            | 34.5                  |
| 3"            | 41.0                  |

| Diameter (in) | Weight per metre (Kg) |
|---------------|-----------------------|
| 80mm          | 44.8                  |
| 90mm          | 56.8                  |
| 95mm          | 62.85                 |
| 4             | 69.7                  |
| 4¼            | 79.0                  |
| 4½            | 88.2                  |
| 135mm         | 127.0                 |
| 6             | 157.0                 |
| 6½            | 190.0                 |

## NES 835 High Strength Copper Nickel Round Bar

DEFSTAN 02-835

# 70/30 Copper Nickel Round Tube

DEFSTAN 02-780

| Description             | Weight per metre (Kg) |
|-------------------------|-----------------------|
| 6mm O/D x 1mm Wall      | 0.15                  |
| 8mm O/D x 1.5mm Wall    | 0.29                  |
| 12mm O/D x 0.8mm Wall   | 0.27                  |
| 12mm O/D x 3mm Wall     | 0.80                  |
| 12mm O/D x 2.5mm Wall   | 0.71                  |
| 16mm O/D x 3mm Wall     | 1.17                  |
| 16mm O/D x 1.5mm Wall   | 0.50                  |
| 20mm O/D x 1mm Wall     | 0.57                  |
| 20mm O/D x 3.5mm Wall   | 1.73                  |
| 25mm O/D x 1.5mm Wall   | 1.06                  |
| 30mm O/D x 1.5mm Wall   | 1.28                  |
| 30mm O/D x 2mm Wall     | 1.68                  |
| 30mm O/D x 4mm Wall     | 3.11                  |
| 30mm O/D x 5mm Wall     | 3.74                  |
| 38mm O/D x 1.5mm Wall   | 1.64                  |
| 38mm O/D x 2.5mm Wall   | 2.60                  |
| 38mm O/D x 5mm Wall     | 4.94                  |
| 38mm O/D x 6.5mm Wall   | 6.13                  |
| 44.5mm O/D x 1.5mm Wall | 1.94                  |
| 44.5mm O/D x 4mm Wall   | 4.85                  |
| 50mm O/D x 6.5mm Wall   | 8.46                  |
| 50mm O/D x 8.5mm Wall   | 9.92                  |
| 57mm O/D x 1.5mm Wall   | 2.50                  |
| 57mm O/D x 9.5mm Wall   | 13.54                 |
| 76mm O/D x 10.5mm Wall  | 19.34                 |
| 76.1mm O/D x 2mm Wall   | 4.45                  |
| 76.1mm O/D x 6mm Wall   | 12.58                 |
| 88.9mm O/D x 2.5mm Wall | 6.48                  |
| 108mm O/D x 2.5mm Wall  | 7.91                  |
| 108mm O/D x 7.5mm Wall  | 22.55                 |

| Description             | Weight per metre (Kg) |
|-------------------------|-----------------------|
| 6mm O/D x 0.8mm Wall    | 0.11                  |
| 6mm O/D x 1mm Wall      | 0.14                  |
| 8mm O/D x 0.7mm Wall    | 0.14                  |
| 8mm O/D x 0.8mm Wall    | 0.16                  |
| 8mm O/D x 1mm Wall      | 0.20                  |
| 12mm O/D x 0.8mm Wall   | 0.25                  |
| 12mm O/D x 1mm Wall     | 0.31                  |
| 16mm O/D x 1mm Wall     | 0.42                  |
| 16mm O/D x 1.5mm Wall   | 0.63                  |
| 20mm O/D x 1mm Wall     | 0.53                  |
| 20mm O/D x 2mm Wall     | 1.01                  |
| 25mm O/D x 1.5mm Wall   | 0.99                  |
| 25mm O/D x 2mm Wall     | 1.29                  |
| 30mm O/D x 1.5mm Wall   | 1.20                  |
| 30mm O/D x 2mm Wall     | 1.57                  |
| 38mm O/D x 1.5mm Wall   | 1.53                  |
| 38mm O/D x 2mm Wall     | 2.01                  |
| 44.5mm O/D x 1.5mm Wall | 1.80                  |
| 44.5mm O/D x 2mm Wall   | 2.38                  |
| 57mm O/D x 1.5mm Wall   | 2.33                  |
| 57mm O/D x 1mm Wall     | 3.07                  |
| 76.1mm O/D x 2mm Wall   | 4.14                  |
| 76.1mm O/D x 2.5mm Wall | 5.14                  |
| 88.9mm O/D x 2.5mm Wall | 6.04                  |
| 88.9mm O/D x 3mm Wall   | 7.21                  |
| 108mm O/D x 2.5mm Wall  | 7.37                  |
| 108mm O/D x 3mm Wall    | 8.80                  |
| 133mm O/D x 2.5mm Wall  | 9.21                  |
| 133mm O/D x 3mm Wall    | 10.90                 |
| 159mm O/D x 2.5mm Wall  | 10.93                 |
| 159mm O/D x 3mm Wall    | 13.08                 |

## 90/10 Copper Nickel Round Tube

DEFSTAN 02-779



## 70/30 Copper Nickel Round Tube

DEFSTAN 02-780

| Description             | Weight per metre (Kg) |
|-------------------------|-----------------------|
| 6mm O/D x 1mm Wall      | 0.15                  |
| 8mm O/D x 1.5mm Wall    | 0.29                  |
| 12mm O/D x 0.8mm Wall   | 0.27                  |
| 12mm O/D x 3mm Wall     | 0.80                  |
| 12mm O/D x 2.5mm Wall   | 0.71                  |
| 16mm O/D x 3mm Wall     | 1.17                  |
| 16mm O/D x 1.5mm Wall   | 0.50                  |
| 20mm O/D x 1mm Wall     | 0.57                  |
| 20mm O/D x 3.5mm Wall   | 1.73                  |
| 25mm O/D x 1.5mm Wall   | 1.06                  |
| 30mm O/D x 1.5mm Wall   | 1.28                  |
| 30mm O/D x 2mm Wall     | 1.68                  |
| 30mm O/D x 4mm Wall     | 3.11                  |
| 30mm O/D x 5mm Wall     | 3.74                  |
| 38mm O/D x 1.5mm Wall   | 1.64                  |
| 38mm O/D x 2.5mm Wall   | 2.60                  |
| 38mm O/D x 5mm Wall     | 4.94                  |
| 38mm O/D x 6.5mm Wall   | 6.13                  |
| 44.5mm O/D x 1.5mm Wall | 1.94                  |
| 44.5mm O/D x 4mm Wall   | 4.85                  |
| 50mm O/D x 6.5mm Wall   | 8.46                  |
| 50mm O/D x 8.5mm Wall   | 9.92                  |
| 57mm O/D x 1.5mm Wall   | 2.50                  |
| 57mm O/D x 9.5mm Wall   | 13.54                 |
| 76mm O/D x 10.5mm Wall  | 19.34                 |
| 76.1mm O/D x 2mm Wall   | 4.45                  |
| 76.1mm O/D x 6mm Wall   | 12.58                 |
| 88.9mm O/D x 2.5mm Wall | 6.48                  |
| 108mm O/D x 2.5mm Wall  | 7.91                  |
| 108mm O/D x 7.5mm Wall  | 22.55                 |

## 90/10 Copper Nickel Round Tube

DEFSTAN 02-779

| Description             | Weight<br>per metre (Kg) |
|-------------------------|--------------------------|
| 6mm O/D x 0.8mm Wall    | 0.11                     |
| 6mm O/D x 1mm Wall      | 0.14                     |
| 8mm O/D x 0.7mm Wall    | 0.14                     |
| 8mm O/D x 0.8mm Wall    | 0.16                     |
| 8mm O/D x 1mm Wall      | 0.20                     |
| 12mm O/D x 0.8mm Wall   | 0.25                     |
| 12mm O/D x 1mm Wall     | 0.31                     |
| 16mm O/D x 1mm Wall     | 0.42                     |
| 16mm O/D x 1.5mm Wall   | 0.63                     |
| 20mm O/D x 1mm Wall     | 0.53                     |
| 20mm O/D x 2mm Wall     | 1.01                     |
| 25mm O/D x 1.5mm Wall   | 0.99                     |
| 25mm O/D x 2mm Wall     | 1.29                     |
| 30mm O/D x 1.5mm Wall   | 1.20                     |
| 30mm O/D x 2mm Wall     | 1.57                     |
| 38mm O/D x 1.5mm Wall   | 1.53                     |
| 38mm O/D x 2mm Wall     | 2.01                     |
| 44.5mm O/D x 1.5mm Wall | 1.80                     |
| 44.5mm O/D x 2mm Wall   | 2.38                     |
| 57mm O/D x 1.5mm Wall   | 2.33                     |
| 57mm O/D x 1mm Wall     | 3.07                     |
| 76.1mm O/D x 2mm Wall   | 4.14                     |
| 76.1mm O/D x 2.5mm Wall | 5.14                     |
| 88.9mm O/D x 2.5mm Wall | 6.04                     |
| 88.9mm O/D x 3mm Wall   | 7.21                     |
| 108mm O/D x 2.5mm Wall  | 7.37                     |
| 108mm O/D x 3mm Wall    | 8.80                     |
| 133mm O/D x 2.5mm Wall  | 9.21                     |
| 133mm O/D x 3mm Wall    | 10.90                    |
| 159mm O/D x 2.5mm Wall  | 10.93                    |
| 159mm O/D x 3mm Wall    | 13.08                    |

## Commercial 90/10 Copper Nickel Round Tube

5.5M LENGTHS

| Description             | Weight per metre (Kg) |
|-------------------------|-----------------------|
| 16mm O/D x 1mm Wall     | 0.42                  |
| 20mm O/D x 1mm Wall     | 0.53                  |
| 25mm O/D x 1.5mm Wall   | 0.99                  |
| 30mm O/D x 1.5mm Wall   | 1.19                  |
| 38mm O/D x 1.5mm Wall   | 1.53                  |
| 44.5mm O/D x 1.5mm Wall | 1.80                  |
| 57mm O/D x 1.5mm Wall   | 2.33                  |
| 76mm O/D x 2mm Wall     | 4.14                  |
| 76mm O/D x 2.5mm Wall   | 5.14                  |
| 89mm O/D x 2mm Wall     | 4.86                  |
| 89mm O/D x 2.5mm Wall   | 6.04                  |
| 108mm O/D x 2.5mm Wall  | 7.37                  |
| 133mm O/D x 2.5mm Wall  | 9.21                  |
| 159mm O/D x 2.5mm Wall  | 10.93                 |
| 219mm O/D x 3mm Wall    | 18.12                 |

## NES 837 Copper Tube

DEFSTAN 02-878

| Description                      | Weight per metre (Kg) |
|----------------------------------|-----------------------|
| 22mm O/D x 2mm WALL COPPER H/H   | 0.698                 |
| 42mm O/D x 1.5mm WALL COPPER H/H | 1.720                 |
| 54mm O/D x 2mm WALL COPPER H/H   | 2.950                 |

| Description                          |
|--------------------------------------|
| 25 x 1.5mm / 20 x 1.5mm CRED 90/10   |
| 44.5 x 1.5mm / 38 x 1.5mm CRED 90/10 |
| 57 x 1.5mm / 44.5 x 1.5mm CRED 90/10 |
| 76 x 2mm / 44.5 x 1.5mm CRED 90/10   |
| 76 x 2mm / 57 x 1.5mm CRED 90/10     |
| 89 x 2.5mm / 57 x 2mm CRED 90/10     |
| 108 x 2.5mm / 89 x 2mm CRED 90/10    |
| 108 x 2.5mm / 89 x 2.5mm CRED 90/10  |
| 133 x 2.5mm / 108 x 2.5mm CRED 90/10 |
| 159 x 2.5mm / 108 x 2.5mm CRED 90/10 |
| 159 x 2.5mm / 133 x 2.5mm CRED 90/10 |
| 219 x 3mm / 159 x 2.5mm CRED 90/10   |

## 90/10 Copper Nickel Fittings

CONCENTRIC  
REDUCERS

| Description             |
|-------------------------|
| 20 x 1.5mm TYPE S INNER |
| 20 x 1.5mm TYPE S INNER |
| 20 x 1.5mm TYPE S INNER |
| 20 x 1.5mm TYPE S INNER |
| 20 x 1.5mm TYPE S INNER |
| 20 x 1.5mm TYPE S INNER |
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| 20 x 1.5mm TYPE S INNER |
| 20 x 1.5mm TYPE S INNER |
| 20 x 1.5mm TYPE S INNER |
| 20 x 1.5mm TYPE S INNER |

## 90/10 Copper Nickel Fittings

TYPE S INNER FLANGE  
(WELD NECK /  
END STUBS)

## 90/10 Copper Nickel Fittings

GALVANISED STEEL  
OUTER FLANGES

| Description           |
|-----------------------|
| 20mm O/D GALV OUTER   |
| 25mm O/D GALV OUTER   |
| 30mm O/D GALV OUTER   |
| 38mm O/D GALV OUTER   |
| 44.5mm O/D GALV OUTER |
| 57mm O/D GALV OUTER   |
| 76mm O/D GALV OUTER   |
| 89mm O/D GALV OUTER   |
| 108mm O/D GALV OUTER  |
| 133mm O/D GALV OUTER  |
| 159mm O/D GALV OUTER  |
| 219mm O/D GALV OUTER  |
| 367mm O/D GALV OUTER  |

## 90/10 Copper Nickel Fittings

90 DEGREE  
LONG RADIUS ELBOWS

| Description                |
|----------------------------|
| 25 x 1.5mm 90° LR ELBOWS   |
| 30 x 1.5mm 90° LR ELBOWS   |
| 38 x 1.5mm 90° LR ELBOWS   |
| 38 x 2mm 90° LR ELBOWS     |
| 44.5 x 1.5mm 90° LR ELBOWS |
| 44.5 x 2mm 90° LR ELBOWS   |
| 57 x 1.5mm 90° LR ELBOWS   |
| 57 x 2mm 90° LR ELBOWS     |
| 57 x 2.5mm 90° LR ELBOWS   |
| 76 x 2mm 90° LR ELBOWS     |
| 89 x 2.5mm 90° LR ELBOWS   |
| 108 x 2.5mm 90° LR ELBOWS  |
| 133 x 2.5mm 90° LR ELBOWS  |
| 159 x 2.5mm 90° LR ELBOWS  |
| 219 x 3mm 90° LR ELBOWS    |
| 267 x 3mm 90° LR ELBOWS    |

## Description

30 x 1.5mm 45° LR ELBOWS  
 38 x 1.5mm 45° LR ELBOWS  
 44.5 x 1.5mm 45° LR ELBOWS  
 57 x 1.5mm 45° LR ELBOWS  
 57 x 2.5mm 45° LR ELBOWS  
 76 x 2mm 45° LR ELBOWS  
 89 x 2mm 45° LR ELBOWS  
 89 x 2.5mm 45° LR ELBOWS  
 108 x 2.5mm 45° LR ELBOWS  
 133 x 2.5mm 45° LR ELBOWS  
 159 x 2.5mm 45° LR ELBOWS  
 219 x 3mm 45° LR ELBOWS

## 90/10 Copper Nickel Fittings

45 DEGREE  
LONG RADIUS ELBOWS

## Description

44.5mm O/D x 1.5mm TEE PCE  
 57mm O/D x 1.5mm TEE PCE  
 76mm O/D x 2mm TEE PCE  
 89mm O/D x 2.5mm TEE PCE  
 108mm O/D x 2.5mm TEE PCE  
 133mm O/D x 2.5mm TEE PCE  
 159mm O/D x 2.5mm TEE PCE  
 219mm O/D x 3mm TEE PCE

## 90/10 Copper Nickel Fittings

TEE PIECES



# Market Sectors

For further information on the full range of products we supply into our specialist markets, please contact your local Service Centre to request a copy of the brochures dedicated to those specific markets.





# Your trusted supply partner for quality metals and specialist plastics

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## Weights

All weights shown in this publication are for guidance only. They are calculated using nominal dimensions and scientifically recognised densities. Please note that in practice, the actual weight can vary significantly from the theoretical weight due to variations in manufacturing tolerances and compositions.



## Service Centres

Operating a reliable and efficient delivery service from our 10 Service Centres nationwide, we offer in-house processing facilities. In addition to next day delivery from locally-held stock, we also provide non-standard or customer specific material.

### Bedford

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SC 21  
21st century supply chains



AS 9100 REV D

AS 9120 REV B