



**Barclay  
& Mathieson**

# STEEL PRODUCT GUIDE

UNIVERSAL BEAMS  
UNIVERSAL COLUMNS  
CHANNELS  
ANGLES  
ROUNDS & SQUARES  
FLATS  
PLATES  
SHEETS  
HOLLOW SECTIONS  
ERW TUBES  
HANDRAIL TUBES  
BRIGHTS

**HUGE  
PRODUCT  
RANGE**

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# Barclay & Mathieson

**HUGE  
PRODUCT  
RANGE**

**CALL INTO YOUR NEAREST  
DEPOT FOR OUR LATEST  
ACCESS & SAFETY CATALOGUE...**

**HANDRAIL, ACCESS LADDERS, ACCESS  
SAFETY GATES, WROUGHT IRON,  
GUARDRAIL, BALUSTRADE, STAIR  
STEEL FLOORING, STAIR TREADS,  
PERFORATED PLANK, WALKWAY,  
ARMCO BARRIER, WELDED MESH,  
PERFORATED SHEET, PRISON MESH,  
PALISADE FENCING, BOW  
RAILING, GRP  
PROFILES,  
LADDERS,  
PRODUCT  
CLIMBING  
STEEL  
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**NEW!  
PRODUCT  
LINES.**

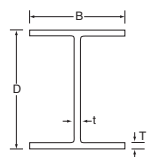
## ACCESS & SAFETY PRODUCTS

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# UNIVERSAL BEAMS

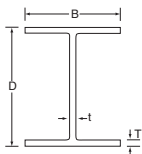


Certified to British & European Standards

| Designation    | Mass per metre | Depth of Section D | Width of Section B | Thickness |          |
|----------------|----------------|--------------------|--------------------|-----------|----------|
|                |                |                    |                    | Web t     | Flange T |
|                | kg/m           | mm                 | mm                 | mm        | mm       |
| 127 x 76 x 13  | 13.0           | 127.0              | 76.0               | 4.0       | 7.6      |
| 152 x 89 x 16  | 16.0           | 152.4              | 88.7               | 4.5       | 7.7      |
| 178 x 102 x 19 | 19.0           | 177.8              | 101.2              | 4.8       | 7.9      |
| 203 x 102 x 23 | 23.1           | 203.2              | 101.8              | 5.4       | 9.3      |
| 203 x 133 x 25 | 25.1           | 203.2              | 133.2              | 5.7       | 7.8      |
| 203 x 133 x 30 | 30.0           | 206.8              | 133.9              | 6.4       | 9.6      |
| 254 x 102 x 22 | 22.0           | 254.0              | 101.6              | 5.7       | 6.8      |
| 254 x 102 x 25 | 25.2           | 257.2              | 101.9              | 6.0       | 8.4      |
| 254 x 102 x 28 | 28.3           | 260.4              | 102.2              | 6.3       | 10.0     |
| 254 x 146 x 31 | 31.1           | 251.4              | 146.1              | 6.0       | 8.6      |
| 254 x 146 x 37 | 37.0           | 256.0              | 146.4              | 6.3       | 10.9     |
| 254 x 146 x 43 | 43.0           | 259.6              | 147.3              | 7.2       | 12.7     |
| 305 x 102 x 25 | 24.8           | 305.1              | 101.6              | 5.8       | 7.0      |
| 305 x 102 x 28 | 28.2           | 308.7              | 101.8              | 6.0       | 8.8      |
| 305 x 102 x 33 | 32.8           | 312.7              | 102.4              | 6.6       | 10.8     |
| 305 x 127 x 37 | 37.0           | 304.4              | 123.3              | 7.1       | 10.7     |
| 305 x 127 x 42 | 41.9           | 307.2              | 124.3              | 8.0       | 12.1     |
| 305 x 127 x 48 | 48.1           | 311.0              | 125.3              | 9.0       | 14.0     |
| 305 x 165 x 40 | 40.3           | 303.4              | 165.0              | 6.0       | 10.2     |
| 305 x 165 x 46 | 46.1           | 306.6              | 165.7              | 6.7       | 11.8     |
| 305 x 165 x 54 | 54.0           | 310.4              | 166.9              | 7.9       | 13.7     |
| 356 x 127 x 33 | 33.1           | 349.0              | 125.4              | 6.0       | 8.5      |
| 356 x 127 x 39 | 39.1           | 353.4              | 126.0              | 6.6       | 10.7     |
| 356 x 171 x 45 | 45.0           | 351.4              | 171.1              | 7.0       | 9.7      |
| 356 x 171 x 51 | 51.0           | 355.0              | 171.5              | 7.4       | 11.5     |
| 356 x 171 x 57 | 57.0           | 358.0              | 172.2              | 8.1       | 13.0     |
| 356 x 171 x 67 | 67.1           | 363.4              | 173.2              | 9.1       | 15.7     |
| 406 x 140 x 39 | 39.0           | 398.0              | 141.8              | 6.4       | 8.6      |
| 406 x 140 x 46 | 46.0           | 403.2              | 142.2              | 6.8       | 11.2     |
| 406 x 178 x 54 | 54.1           | 402.6              | 177.7              | 7.7       | 10.9     |
| 406 x 178 x 60 | 60.1           | 406.4              | 177.9              | 7.9       | 12.8     |
| 406 x 178 x 67 | 67.1           | 409.4              | 178.8              | 8.8       | 14.3     |
| 406 x 178 x 74 | 74.2           | 412.8              | 179.5              | 9.5       | 16.0     |
| 457 x 152 x 52 | 52.3           | 449.8              | 152.4              | 7.6       | 10.9     |
| 457 x 152 x 60 | 59.8           | 454.6              | 152.9              | 8.1       | 13.3     |
| 457 x 152 x 67 | 67.2           | 458.0              | 153.8              | 9.0       | 15.0     |
| 457 x 152 x 74 | 74.2           | 462.0              | 154.4              | 9.6       | 17.0     |
| 457 x 152 x 82 | 82.1           | 465.8              | 155.3              | 10.5      | 18.9     |

Available in Standard Mill Lengths or cut to individual requirements.

# UNIVERSAL BEAMS

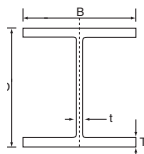


Certified to British & European Standards

| Designation     | Mass per metre<br>kg/m | Depth of Section<br>D<br>mm | Width of Section<br>B<br>mm | Thickness      |                   |
|-----------------|------------------------|-----------------------------|-----------------------------|----------------|-------------------|
|                 |                        |                             |                             | Web<br>t<br>mm | Flange<br>T<br>mm |
| 457 x 191 x 67  | 67.1                   | 453.4                       | 189.9                       | 8.5            | 12.7              |
| 457 x 191 x 74  | 74.3                   | 457.0                       | 190.4                       | 9.0            | 14.5              |
| 457 x 191 x 82  | 82.0                   | 460.0                       | 191.3                       | 9.9            | 16.0              |
| 457 x 191 x 89  | 89.3                   | 463.4                       | 191.9                       | 10.5           | 17.7              |
| 457 x 191 x 98  | 98.3                   | 467.2                       | 192.8                       | 11.4           | 19.6              |
| 533 x 210 x 82  | 82.2                   | 528.3                       | 208.8                       | 9.6            | 13.2              |
| 533 x 210 x 92  | 92.1                   | 533.1                       | 209.3                       | 10.1           | 15.6              |
| 533 x 210 x 101 | 101.0                  | 536.7                       | 210.0                       | 10.8           | 17.4              |
| 533 x 210 x 109 | 109.0                  | 539.5                       | 210.8                       | 11.6           | 18.8              |
| 533 x 210 x 122 | 122.0                  | 544.5                       | 211.9                       | 12.7           | 21.3              |
| 610 x 229 x 101 | 101.2                  | 602.6                       | 227.6                       | 10.5           | 14.8              |
| 610 x 229 x 113 | 113.0                  | 607.6                       | 228.2                       | 11.1           | 17.3              |
| 610 x 229 x 125 | 125.1                  | 612.2                       | 229.0                       | 11.9           | 19.6              |
| 610 x 229 x 140 | 139.9                  | 617.2                       | 230.2                       | 13.1           | 22.1              |
| 610 x 305 x 149 | 149.1                  | 612.4                       | 304.8                       | 11.8           | 19.7              |
| 610 x 305 x 179 | 179.0                  | 620.2                       | 307.1                       | 14.1           | 23.6              |
| 610 x 305 x 238 | 238.1                  | 635.8                       | 311.4                       | 18.4           | 31.4              |
| 686 x 254 x 125 | 125.2                  | 677.9                       | 253.0                       | 11.7           | 16.2              |
| 686 x 254 x 140 | 140.1                  | 683.5                       | 253.7                       | 12.4           | 19.0              |
| 686 x 254 x 152 | 152.4                  | 687.5                       | 254.5                       | 13.2           | 21.0              |
| 686 x 254 x 170 | 170.2                  | 692.9                       | 255.8                       | 14.5           | 23.7              |
| 762 x 267 x 134 | 133.9                  | 750.0                       | 264.4                       | 12.0           | 15.5              |
| 762 x 267 x 147 | 146.9                  | 754.0                       | 265.2                       | 12.8           | 17.5              |
| 762 x 267 x 173 | 173.0                  | 762.2                       | 266.7                       | 14.3           | 21.6              |
| 762 x 267 x 197 | 196.8                  | 769.8                       | 268.0                       | 15.6           | 25.4              |
| 838 x 292 x 176 | 175.9                  | 834.9                       | 291.7                       | 14.0           | 18.8              |
| 838 x 292 x 194 | 193.8                  | 840.7                       | 292.4                       | 14.7           | 21.7              |
| 838 x 292 x 226 | 226.5                  | 850.9                       | 293.8                       | 16.1           | 26.8              |
| 914 x 305 x 201 | 200.9                  | 903.0                       | 303.3                       | 15.1           | 20.2              |
| 914 x 305 x 224 | 224.2                  | 910.4                       | 304.1                       | 15.9           | 23.9              |
| 914 x 305 x 253 | 253.4                  | 918.4                       | 305.5                       | 17.3           | 27.9              |
| 914 x 305 x 289 | 289.1                  | 926.6                       | 307.7                       | 19.5           | 32.0              |
| 914 x 419 x 343 | 343.3                  | 911.8                       | 418.5                       | 19.4           | 32.0              |
| 914 x 419 x 388 | 388.0                  | 921.0                       | 420.5                       | 21.4           | 36.6              |

Available in Standard Mill Lengths or cut to individual requirements.

# UNIVERSAL COLUMNS

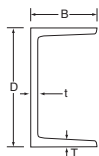


Certified to British & European Standards

| Designation     | Mass per metre | Depth of Section D | Width of Section B | Thickness |          |
|-----------------|----------------|--------------------|--------------------|-----------|----------|
|                 |                |                    |                    | Web t     | Flange T |
|                 | kg/m           | mm                 | mm                 | mm        | mm       |
| 152 x 152 x 23  | 23.0           | 152.4              | 152.2              | 5.8       | 6.8      |
| 152 x 152 x 30  | 30.0           | 157.6              | 152.9              | 6.5       | 9.4      |
| 152 x 152 x 37  | 37.0           | 161.8              | 154.4              | 8.0       | 11.5     |
| 203 x 203 x 46  | 46.1           | 203.2              | 203.6              | 7.2       | 11.0     |
| 203 x 203 x 52  | 52.0           | 206.2              | 204.3              | 7.9       | 12.5     |
| 203 x 203 x 60  | 60.0           | 209.6              | 205.8              | 9.4       | 14.2     |
| 203 x 203 x 71  | 71.0           | 215.8              | 206.4              | 10.0      | 17.3     |
| 203 x 203 x 86  | 86.1           | 222.2              | 209.1              | 12.7      | 20.5     |
| 254 x 254 x 73  | 73.1           | 254.1              | 254.6              | 8.6       | 14.2     |
| 254 x 254 x 89  | 88.9           | 260.3              | 256.3              | 10.3      | 17.3     |
| 254 x 254 x 107 | 107.1          | 266.7              | 258.8              | 12.8      | 20.5     |
| 254 x 254 x 132 | 132.0          | 276.3              | 261.3              | 15.3      | 25.3     |
| 254 x 254 x 167 | 167.1          | 289.1              | 265.2              | 19.2      | 31.7     |
| 305 x 305 x 97  | 96.9           | 307.9              | 305.3              | 9.9       | 15.4     |
| 305 x 305 x 118 | 117.9          | 314.5              | 307.4              | 12.0      | 18.7     |
| 305 x 305 x 137 | 136.9          | 320.5              | 309.2              | 13.8      | 21.7     |
| 305 x 305 x 158 | 158.1          | 327.1              | 311.2              | 15.8      | 25.0     |
| 305 x 305 x 198 | 198.1          | 339.9              | 314.5              | 19.1      | 31.4     |
| 305 x 305 x 240 | 240.0          | 352.5              | 318.4              | 23.0      | 37.7     |
| 305 x 305 x 283 | 282.9          | 365.3              | 322.2              | 26.8      | 44.1     |
| 356 x 368 x 129 | 129.0          | 355.6              | 368.6              | 10.4      | 17.5     |
| 356 x 368 x 153 | 152.9          | 362.0              | 370.5              | 12.3      | 20.7     |
| 356 x 368 x 177 | 177.0          | 368.2              | 372.6              | 14.4      | 23.8     |
| 356 x 368 x 202 | 201.9          | 374.6              | 374.7              | 16.5      | 27.0     |
| 356 x 406 x 235 | 235.1          | 381.0              | 394.8              | 18.4      | 30.2     |
| 356 x 406 x 287 | 287.1          | 393.6              | 399.0              | 22.6      | 36.5     |
| 356 x 406 x 340 | 339.9          | 406.4              | 403.0              | 26.6      | 42.9     |
| 356 x 406 x 393 | 393.0          | 419.0              | 407.0              | 30.6      | 49.2     |
| 356 x 406 x 467 | 467.0          | 436.6              | 412.2              | 35.8      | 58.0     |
| 356 x 406 x 551 | 551.0          | 455.6              | 418.5              | 42.1      | 67.5     |
| 356 x 406 x 634 | 633.9          | 474.6              | 424.0              | 47.6      | 77.0     |

Available in Standard Mill Lengths or cut to individual requirements.

# TAPERED FLANGE CHANNELS

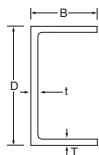


Certified to British & European Standards

| Designation    | Mass per metre | Depth of Section D | Width of Section B | Thickness |          |
|----------------|----------------|--------------------|--------------------|-----------|----------|
|                |                |                    |                    | Web t     | Flange T |
|                | kg/m           | mm                 | mm                 | mm        | mm       |
| 51 x 25 x 3.84 | 3.84           | 50.8               | 25.4               | 4.8       | 4.8      |
| 51 x 38 x 5.81 | 5.81           | 50.8               | 38.1               | 6.4       | 6.4      |
| 76 x 38 x 7    | 6.7            | 76.2               | 38.1               | 5.1       | 6.8      |

Available in Standard Mill Lengths or cut to individual requirements.

# PARALLEL FLANGE CHANNELS



Certified to British & European Standards

| Designation    | Mass per metre | Depth of Section D | Width of Section B | Thickness |          |
|----------------|----------------|--------------------|--------------------|-----------|----------|
|                |                |                    |                    | Web t     | Flange T |
|                | kg/m           | mm                 | mm                 | mm        | mm       |
| 100 x 50 x 10  | 10.2           | 100                | 50                 | 5.0       | 8.5      |
| 125 x 65 x 15  | 14.8           | 125                | 65                 | 5.5       | 9.5      |
| 150 x 75 x 18  | 17.9           | 150                | 75                 | 5.5       | 10.0     |
| 150 x 90 x 24  | 23.9           | 150                | 90                 | 6.5       | 12.0     |
| 180 x 75 x 20  | 20.3           | 180                | 75                 | 6.0       | 10.5     |
| 180 x 90 x 26  | 26.1           | 180                | 90                 | 6.5       | 12.5     |
| 200 x 75 x 23  | 23.4           | 200                | 75                 | 6.0       | 12.5     |
| 200 x 90 x 30  | 29.7           | 200                | 90                 | 7.0       | 14.0     |
| 230 x 75 x 26  | 25.7           | 230                | 75                 | 6.5       | 12.5     |
| 230 x 90 x 32  | 32.2           | 230                | 90                 | 7.5       | 14.0     |
| 260 x 75 x 28  | 27.6           | 260                | 75                 | 7.0       | 12.0     |
| 260 x 90 x 35  | 34.8           | 260                | 90                 | 8.0       | 14.0     |
| 300 x 90 x 41  | 41.4           | 300                | 90                 | 9.0       | 15.5     |
| 300 x 100 x 46 | 45.5           | 300                | 100                | 9.0       | 16.5     |
| 380 x 100 x 54 | 54.0           | 380                | 100                | 9.5       | 17.5     |
| 430 x 100 x 64 | 64.4           | 430                | 100                | 11.0      | 19.0     |

Available in Standard Mill Lengths or cut to individual requirements.

# EQUAL ANGLES

Certified to British & European Standards

| Size         | Kg/m  | Metres per tonne |
|--------------|-------|------------------|
| 13 x 13 x 3  | 0.58  | 1725             |
| 20 x 20 x 3  | 0.88  | 1137             |
| 25 x 25 x 3  | 1.11  | 901              |
| 25 x 25 x 4  | 1.45  | 690              |
| 25 x 25 x 5  | 1.77  | 565              |
| 30 x 30 x 3  | 1.36  | 736              |
| 30 x 30 x 4  | 1.78  | 562              |
| 30 x 30 x 5  | 2.18  | 459              |
| 40 x 40 x 3  | 1.76  | 569              |
| 40 x 40 x 4  | 2.42  | 414              |
| 40 x 40 x 5  | 2.97  | 337              |
| 40 x 40 x 6  | 3.52  | 285              |
| 45 x 45 x 3  | 2.00  | 500              |
| 45 x 45 x 4  | 2.74  | 365              |
| 45 x 45 x 5  | 3.38  | 296              |
| 45 x 45 x 6  | 4.00  | 250              |
| 50 x 50 x 3  | 2.24  | 447              |
| 50 x 50 x 5  | 3.77  | 266              |
| 50 x 50 x 6  | 4.47  | 224              |
| 50 x 50 x 8  | 5.82  | 172              |
| 60 x 60 x 5  | 4.57  | 219              |
| 60 x 60 x 6  | 5.42  | 185              |
| 60 x 60 x 8  | 7.09  | 142              |
| 60 x 60 x 10 | 8.69  | 116              |
| 70 x 70 x 6  | 6.38  | 157              |
| 70 x 70 x 8  | 8.36  | 120              |
| 70 x 70 x 10 | 10.30 | 98               |
| 75 x 75 x 6  | 6.86  | 146              |
| 75 x 75 x 8  | 9.03  | 111              |
| 75 x 75 x 10 | 11.07 | 91               |

Lengths available from 6.000 metres.

# EQUAL ANGLES

Certified to British & European Standards

| Size           | Kg/m  | Metres per tonne |
|----------------|-------|------------------|
| 80 x 80 x 6    | 7.34  | 137              |
| 80 x 80 x 8    | 9.63  | 104              |
| 80 x 80 x 10   | 11.90 | 85               |
| 80 x 80 x 12   | 14.20 | 71               |
| 90 x 90 x 6    | 8.30  | 121              |
| 90 x 90 x 8    | 10.90 | 92               |
| 90 x 90 x 10   | 13.40 | 75               |
| 90 x 90 x 12   | 15.90 | 63               |
| 100 x 100 x 8  | 12.20 | 82               |
| 100 x 100 x 10 | 15.00 | 67               |
| 100 x 100 x 12 | 17.80 | 57               |
| 100 x 100 x 15 | 21.90 | 46               |
| 120 x 120 x 8  | 14.70 | 69               |
| 120 x 120 x 10 | 18.20 | 55               |
| 120 x 120 x 12 | 21.60 | 47               |
| 120 x 120 x 15 | 26.60 | 38               |
| 150 x 150 x 10 | 23.00 | 44               |
| 150 x 150 x 12 | 27.30 | 37               |
| 150 x 150 x 15 | 33.80 | 30               |
| 150 x 150 x 18 | 40.10 | 25               |
| 200 x 200 x 16 | 48.50 | 21               |
| 200 x 200 x 18 | 54.20 | 19               |
| 200 x 200 x 20 | 59.90 | 17               |
| 200 x 200 x 24 | 71.10 | 15               |

Lengths available from 6.000 metres.



# UNEQUAL ANGLES

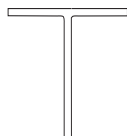


Certified to British & European Standards

| Size           | Kg/m  | Metres per tonne |
|----------------|-------|------------------|
| 40 x 25 x 4    | 1.91  | 524              |
| 50 x 40 x 5    | 3.50  | 286              |
| 50 x 40 x 6    | 4.33  | 231              |
| 60 x 30 x 5    | 3.37  | 297              |
| 60 x 30 x 6    | 3.99  | 251              |
| 60 x 40 x 6    | 4.46  | 224              |
| 65 x 50 x 5    | 4.35  | 230              |
| 65 x 50 x 6    | 5.16  | 194              |
| 65 x 50 x 8    | 6.75  | 149              |
| 75 x 50 x 6    | 5.65  | 177              |
| 75 x 50 x 8    | 7.39  | 136              |
| 75 x 50 x 10   | 9.27  | 108              |
| 80 x 60 x 6    | 6.37  | 157              |
| 80 x 60 x 8    | 8.34  | 120              |
| 100 x 50 x 6   | 6.85  | 146              |
| 100 x 50 x 8   | 8.99  | 111              |
| 100 x 65 x 7   | 8.77  | 115              |
| 100 x 65 x 8   | 9.94  | 101              |
| 100 x 65 x 10  | 12.30 | 82               |
| 100 x 75 x 8   | 10.60 | 95               |
| 100 x 75 x 10  | 13.00 | 77               |
| 100 x 75 x 12  | 15.40 | 65               |
| 125 x 75 x 8   | 12.20 | 82               |
| 125 x 75 x 10  | 15.00 | 67               |
| 125 x 75 x 12  | 17.80 | 57               |
| 150 x 75 x 10  | 17.00 | 59               |
| 150 x 75 x 12  | 20.20 | 50               |
| 150 x 75 x 15  | 24.80 | 41               |
| 150 x 90 x 10  | 18.20 | 55               |
| 150 x 90 x 12  | 21.60 | 47               |
| 150 x 90 x 15  | 26.60 | 38               |
| 200 x 100 x 10 | 23.00 | 44               |
| 200 x 100 x 12 | 27.30 | 37               |
| 200 x 100 x 15 | 33.70 | 30               |
| 200 x 150 x 12 | 32.00 | 32               |
| 200 x 150 x 15 | 39.60 | 26               |
| 200 x 150 x 18 | 47.10 | 22               |

Lengths available from 6.000 metres.

# R.S. TEES



Certified to British & European Standards

| Size Designation | Kg/m | Metres per tonne |
|------------------|------|------------------|
| 40 x 40 x 5      | 2.96 | 388              |
| 40 x 40 x 6      | 3.49 | 287              |
| 50 x 50 x 6      | 4.44 | 226              |

**Structural Tees available, cut from Beams / Columns**

Lengths available from 6.000 metres.

# ROUNDS



Certified to British & European Standards

| Size mm | Kg/m   | Size mm | Kg/m    |
|---------|--------|---------|---------|
| 6       | 0.222  | 110     | 74.600  |
| 8       | 0.395  | 115     | 81.500  |
| 10      | 0.617  | 120     | 88.000  |
| 12      | 0.888  | 125     | 96.300  |
| 16      | 1.580  | 130     | 104.000 |
| 20      | 2.470  | 135     | 112.000 |
| 22      | 2.980  | 140     | 121.000 |
| 25      | 3.850  | 145     | 130.000 |
| 28.5    | 5.010  | 150     | 139.000 |
| 30      | 5.550  | 155     | 148.000 |
| 32      | 6.310  | 160     | 158.000 |
| 40      | 9.860  | 170     | 178.000 |
| 45      | 12.500 | 180     | 200.000 |
| 50      | 15.400 | 200     | 247.000 |
| 60      | 22.200 | 210     | 272.000 |
| 65      | 26.000 | 220     | 298.000 |
| 70      | 30.200 | 230     | 326.000 |
| 75      | 34.700 | 240     | 356.000 |
| 80      | 39.500 | 250     | 385.000 |
| 90      | 49.900 | 260     | 417.000 |
| 95      | 55.600 | 270     | 448.000 |
| 100     | 61.700 | 280     | 483.000 |
| 105     | 68.000 | 300     | 555.000 |

Lengths available from 6.000 metres.

# SQUARES



Certified to British & European Standards

| Size mm | Kg/m   | Size mm | Kg/m    |
|---------|--------|---------|---------|
| 10      | 0.790  | 50      | 19.620  |
| 12      | 1.130  | 60      | 28.300  |
| 16      | 2.010  | 65      | 33.160  |
| 20      | 3.140  | 70      | 38.500  |
| 25      | 4.910  | 80      | 50.200  |
| 30      | 7.070  | 90      | 63.600  |
| 35      | 9.620  | 100     | 78.600  |
| 40      | 12.600 | 125     | 122.700 |
| 45      | 15.900 | 150     | 177.000 |

Lengths available from 6.000 metres.

# FLATS



Certified to British & European Standards

| Size    | Kg/m  | Size    | Kg/m   |
|---------|-------|---------|--------|
| 10 x 3* | 0.236 | 35 x 6  | 1.650  |
| 12 x 3* | 0.260 | 35 x 10 | 2.750  |
| 12 x 5* | 0.470 | 40 x 3* | 0.942  |
| 12 x 6* | 0.520 | 40 x 5  | 1.570  |
| 16 x 3* | 0.377 | 40 x 6  | 1.880  |
| 16 x 5* | 0.630 | 40 x 8  | 2.510  |
| 16 x 6* | 0.750 | 40 x 10 | 3.140  |
| 20 x 3* | 0.471 | 40 x 12 | 3.770  |
| 20 x 5  | 0.785 | 40 x 15 | 4.710  |
| 20 x 6  | 0.942 | 40 x 20 | 6.280  |
| 20 x 8  | 1.260 | 40 x 25 | 7.850  |
| 20 x 10 | 1.570 | 40 x 30 | 9.420  |
| 20 x 12 | 1.880 | 45 x 5  | 1.770  |
| 25 x 3* | 0.589 | 45 x 6  | 2.120  |
| 25 x 5  | 0.981 | 45 x 8  | 2.830  |
| 25 x 6  | 1.180 | 45 x 10 | 3.530  |
| 25 x 8  | 1.570 | 45 x 12 | 4.240  |
| 25 x 10 | 1.960 | 45 x 15 | 5.300  |
| 25 x 12 | 2.360 | 45 x 20 | 7.070  |
| 25 x 15 | 2.944 | 45 x 25 | 8.830  |
| 25 x 20 | 3.920 | 45 x 30 | 10.600 |
| 30 x 3* | 0.707 | 50 x 3* | 1.180  |
| 30 x 5  | 1.180 | 50 x 5  | 1.960  |
| 30 x 6  | 1.410 | 50 x 6  | 2.360  |
| 30 x 8  | 1.884 | 50 x 8  | 3.140  |
| 30 x 10 | 2.360 | 50 x 10 | 3.930  |
| 30 x 12 | 2.830 | 50 x 12 | 4.710  |
| 30 x 15 | 3.530 | 50 x 15 | 5.890  |
| 30 x 20 | 4.710 | 50 x 20 | 7.850  |
| 30 x 25 | 5.890 | 50 x 25 | 9.810  |
| 35 x 5  | 1.370 | 50 x 30 | 11.780 |

Lengths available from 6.000 metres.

\* denotes from 4.000 metres.

# FLATS



Certified to British & European Standards

| Size    | Kg/m   | Size    | Kg/m   |
|---------|--------|---------|--------|
| 50 x 40 | 15.700 | 70 x 30 | 16.500 |
| 60 x 3* | 1.410  | 70 x 40 | 21.980 |
| 60 x 5  | 2.360  | 70 x 50 | 27.480 |
| 60 x 6  | 2.830  | 75 x 3* | 1.770  |
| 60 x 8  | 3.770  | 75 x 5  | 2.970  |
| 60 x 10 | 4.710  | 75 x 6  | 3.530  |
| 60 x 12 | 5.650  | 75 x 8  | 4.710  |
| 60 x 15 | 7.070  | 75 x 10 | 5.890  |
| 60 x 20 | 9.420  | 75 x 12 | 7.070  |
| 60 x 25 | 11.800 | 75 x 15 | 8.830  |
| 60 x 30 | 14.130 | 75 x 20 | 11.800 |
| 60 x 40 | 18.840 | 75 x 25 | 14.700 |
| 60 x 50 | 23.600 | 75 x 30 | 17.700 |
| 65 x 6  | 3.060  | 75 x 40 | 23.600 |
| 65 x 8  | 4.082  | 75 x 50 | 29.400 |
| 65 x 10 | 5.100  | 80 x 3* | 1.880  |
| 65 x 12 | 6.120  | 80 x 5  | 3.140  |
| 65 x 15 | 7.650  | 80 x 6  | 3.770  |
| 65 x 20 | 10.210 | 80 x 8  | 5.020  |
| 65 x 25 | 12.760 | 80 x 10 | 6.280  |
| 65 x 30 | 15.310 | 80 x 12 | 7.540  |
| 65 x 40 | 20.410 | 80 x 15 | 9.420  |
| 65 x 50 | 25.520 | 80 x 20 | 12.600 |
| 70 x 5  | 2.760  | 80 x 25 | 15.700 |
| 70 x 6  | 3.300  | 80 x 30 | 18.840 |
| 70 x 8  | 4.400  | 80 x 40 | 25.120 |
| 70 x 10 | 5.500  | 80 x 50 | 31.400 |
| 70 x 12 | 6.590  | 90 x 5  | 3.530  |
| 70 x 15 | 8.240  | 90 x 6  | 4.240  |
| 70 x 20 | 11.000 | 90 x 8  | 5.650  |
| 70 x 25 | 13.740 | 90 x 10 | 7.070  |

Lengths available from 6.000 metres.

\* denotes from 4.000 metres.

# FLATS



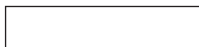
Certified to British & European Standards

| Size     | Kg/m   | Size     | Kg/m   |
|----------|--------|----------|--------|
| 90 x 12  | 8.480  | 130 x 25 | 25.510 |
| 90 x 15  | 10.600 | 130 x 30 | 30.620 |
| 90 x 20  | 14.130 | 130 x 40 | 40.800 |
| 90 x 25  | 17.700 | 130 x 50 | 51.030 |
| 90 x 30  | 21.200 | 150 x 3* | 3.540  |
| 90 x 40  | 28.260 | 150 x 5  | 5.890  |
| 90 x 50  | 35.330 | 150 x 6  | 7.070  |
| 100 x 3* | 2.360  | 150 x 8  | 9.420  |
| 100 x 5  | 3.930  | 150 x 10 | 11.800 |
| 100 x 6  | 4.710  | 150 x 12 | 14.130 |
| 100 x 8  | 6.280  | 150 x 15 | 17.700 |
| 100 x 10 | 7.850  | 150 x 20 | 23.600 |
| 100 x 12 | 9.420  | 150 x 25 | 29.440 |
| 100 x 15 | 11.800 | 150 x 30 | 35.400 |
| 100 x 20 | 15.700 | 150 x 40 | 47.100 |
| 100 x 25 | 19.630 | 150 x 50 | 58.900 |
| 100 x 30 | 23.600 | 160 x 6  | 7.540  |
| 100 x 40 | 31.400 | 160 x 8  | 10.060 |
| 100 x 50 | 39.300 | 160 x 10 | 12.560 |
| 120 x 6  | 5.650  | 160 x 12 | 15.070 |
| 120 x 10 | 9.420  | 160 x 15 | 18.800 |
| 120 x 12 | 11.300 | 160 x 20 | 25.120 |
| 120 x 20 | 18.840 | 180 x 6  | 8.480  |
| 120 x 25 | 23.550 | 180 x 8  | 11.304 |
| 130 x 5  | 5.100  | 180 x 10 | 14.130 |
| 130 x 6  | 6.120  | 180 x 12 | 17.000 |
| 130 x 8  | 8.164  | 180 x 15 | 21.200 |
| 130 x 10 | 10.210 | 180 x 20 | 28.300 |
| 130 x 12 | 12.250 | 180 x 25 | 35.330 |
| 130 x 15 | 15.310 | 180 x 30 | 42.390 |
| 130 x 20 | 20.410 | 180 x 40 | 56.520 |

Lengths available from 6.000 metres.

\* denotes from 4.000 metres.

# FLATS



Certified to British & European Standards

| Size     | Kg/m   | Size     | Kg/m    |
|----------|--------|----------|---------|
| 180 x 50 | 70.600 | 300 x 15 | 35.330  |
| 200 x 6  | 9.420  | 300 x 20 | 47.100  |
| 200 x 8  | 12.600 | 300 x 25 | 58.880  |
| 200 x 10 | 15.700 | 300 x 30 | 70.650  |
| 200 x 12 | 18.840 | 300 x 40 | 94.200  |
| 200 x 15 | 23.600 | 300 x 50 | 117.750 |
| 200 x 20 | 31.400 | 350 x 10 | 27.480  |
| 200 x 25 | 39.300 | 350 x 12 | 33.000  |
| 200 x 30 | 47.100 | 350 x 15 | 41.210  |
| 200 x 40 | 62.800 | 350 x 20 | 54.950  |
| 200 x 50 | 78.500 | 350 x 25 | 68.690  |
| 220 x 6  | 10.360 | 350 x 30 | 82.430  |
| 220 x 8  | 13.820 | 350 x 40 | 109.900 |
| 220 x 10 | 17.300 | 400 x 10 | 31.400  |
| 220 x 12 | 20.720 | 400 x 12 | 37.680  |
| 220 x 15 | 25.910 | 400 x 15 | 47.100  |
| 220 x 20 | 34.540 | 400 x 20 | 62.800  |
| 220 x 25 | 43.200 | 400 x 25 | 78.500  |
| 250 x 6  | 11.800 | 400 x 30 | 94.200  |
| 250 x 8  | 15.700 | 400 x 40 | 125.600 |
| 250 x 10 | 19.600 | 450 x 12 | 42.390  |
| 250 x 12 | 23.600 | 450 x 20 | 70.650  |
| 250 x 15 | 29.440 | 450 x 25 | 88.310  |
| 250 x 20 | 39.250 |          |         |
| 250 x 25 | 49.100 |          |         |
| 250 x 30 | 58.880 |          |         |
| 250 x 40 | 78.500 |          |         |
| 250 x 50 | 98.130 |          |         |
| 300 x 6  | 14.130 |          |         |
| 300 x 10 | 23.600 |          |         |
| 300 x 12 | 28.300 |          |         |

Lengths available from 6.000 metres.

# PLATES

Certified to British & European Standards

| Thickness mm | Standard Size   | Kg/m <sup>2</sup> |
|--------------|---|-------------------|
| 3            | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>3050 × 1525<br>4000 × 2000   | 23.55             |
| 4            | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>3050 × 1525<br>4000 × 2000   | 31.40             |
| 5            | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>3050 × 1525<br>4000 × 2000   | 39.25             |
| 6            | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>3050 × 1525<br>4000 × 2000<br>6000 × 2000<br>5000 × 2500<br>8000 × 2500                                | 47.10             |
| 8            | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>3050 × 1525<br>4000 × 2000<br>6000 × 2000<br>5000 × 2500<br>8000 × 2500<br>6000 × 3000<br>10000 × 3000 | 62.80             |

All material up to and including 4000 × 2000 × 12.5 sold on weighed weight basis.

# PLATES

Certified to British & European Standards

| Thickness mm | Standard Size   | Kg/m <sup>2</sup> |
|--------------|---|-------------------|
| 10           | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>3050 × 1525<br>4000 × 2000<br>6000 × 2000<br>5000 × 2500<br>8000 × 2500<br>6000 × 3000<br>10000 × 3000 | 78.50             |
| 12.5         | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>3050 × 1525<br>4000 × 2000<br>6000 × 2000<br>5000 × 2500<br>8000 × 2500<br>6000 × 3000<br>10000 × 3000 | 98.12             |
| 15           | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>4000 × 2000<br>6000 × 2000<br>5000 × 2500<br>8000 × 2500<br>6000 × 3000<br>10000 × 3000                | 117.80            |

All material up to and including 4000 × 2000 × 12.5 sold on weighed weight basis.



# PLATES

Certified to British & European Standards

| Thickness mm | Standard Size  | Kg/m <sup>2</sup> |
|--------------|--|-------------------|
| 20           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000<br>6000 x 2000<br>5000 x 2500<br>8000 x 2500<br>6000 x 3000<br>10000 x 3000 | 157.00            |
| 25           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000<br>6000 x 2000<br>5000 x 2500<br>8000 x 2500<br>6000 x 3000<br>10000 x 3000 | 196.25            |
| 30           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000<br>5000 x 2500  | 235.50            |
| 32           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000<br>5000 x 2500  | 251.20            |
| 35           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000<br>5000 x 2500  | 274.75            |

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# PLATES

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Certified to British & European Standards

| Thickness mm | Standard Size   | Kg/m <sup>2</sup> |
|--------------|---|-------------------|
| 40           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000<br>5000 x 2500 | 314.00            |
| 45           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000<br>5000 x 2500 | 353.25            |
| 50           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000<br>5000 x 2500 | 392.50            |
| 60           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000                | 471.00            |
| 65           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000                | 510.25            |
| 70           | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 2000                | 549.50            |

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# PLATES

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Certified to British & European Standards

| Thickness mm | Standard Size  | Kg/m <sup>2</sup> |
|--------------|--|-------------------|
| 80           | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>4000 × 2000 | 628.00            |
| 90           | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>4000 × 2000 | 706.50            |
| 100          | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>4000 × 2000 | 785.00            |
| 120          | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>4000 × 2000 | 942.00            |
| 130          | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>4000 × 2000 | 1020.50           |
| 150          | 2000 × 1000<br>2500 × 1250<br>3000 × 1500<br>4000 × 2000 | 1177.50           |

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# FLOOR PLATES

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Certified to British & European Standards

| Thickness mm O/P | Size mm  | Kg/m <sup>2</sup> |
|------------------|--|-------------------|
| 3.0              | 2500 x 1250  | 29.19             |
| 4.5              | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 1750<br>4000 x 1830                | 37.97             |
| 6.0              | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 1750<br>4000 x 1830<br>6000 x 1830 | 49.74             |
| 8.0              | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 1750<br>4000 x 1830                | 65.44             |
| 10.0             | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 1750<br>4000 x 1830                | 81.14             |
| 12.5             | 2000 x 1000<br>2500 x 1250<br>3000 x 1500<br>4000 x 1750                               | 100.77            |

NB. Thickness is measured on the plain of the plate.  
All above material sold on weighed weight basis.

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## HOT ROLLED SHEETS

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| Thickness mm | Size mm                                   | Kg/m <sup>2</sup> |
|--------------|---|-------------------|
| 1.6          | 2000 × 1000<br>2500 × 1250<br>3000 × 1500 | 12.56             |
| 2.0          | 2000 × 1000<br>2500 × 1250<br>3000 × 1500 | 15.70             |
| 2.5          | 2000 × 1000<br>2500 × 1250<br>3000 × 1500 | 19.63             |

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## COLD REDUCED SHEETS

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|     |   |       |
|-----|---|-------|
| 0.8 | 2000 × 1000<br>2500 × 1250                | 6.28  |
| 1.0 | 2000 × 1000<br>2500 × 1250                | 7.85  |
| 1.2 | 2000 × 1000<br>2500 × 1250                | 9.42  |
| 1.6 | 2000 × 1000<br>2500 × 1250<br>3000 × 1500 | 12.56 |
| 2.0 | 2000 × 1000<br>2500 × 1250<br>3000 × 1500 | 15.70 |
| 3.0 | 2500 × 1250                               | 23.55 |

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## GALVANISED SHEETS

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|     |                            |       |
|-----|----------------------------|-------|
| 0.8 | 2000 × 1000<br>2500 × 1250 | 6.28  |
| 1.0 | 2000 × 1000<br>2500 × 1250 | 7.85  |
| 1.2 | 2000 × 1000<br>2500 × 1250 | 9.42  |
| 1.6 | 2000 × 1000<br>2500 × 1250 | 12.56 |

All above sold on weighed weight basis.

# STRUCTURAL HOLLOW SECTIONS - SQUARE



Certified to British & European Standards

| Size mm       | Kg/m  | Metres/Tonne |
|---------------|-------|--------------|
| 20 x 20 x 2.0 | 1.12  | 893          |
| x 2.5         | 1.35  | 741          |
| 25 x 25 x 2.0 | 1.43  | 699          |
| x 2.5         | 1.74  | 575          |
| x 3.0         | 2.04  | 490          |
| x 3.2         | 2.15  | 465          |
| 30 x 30 x 2.5 | 2.14  | 467          |
| x 3.0         | 2.51  | 398          |
| x 3.2         | 2.65  | 378          |
| 40 x 40 x 2.5 | 2.92  | 342          |
| x 3.0         | 3.45  | 290          |
| x 3.2         | 3.66  | 274          |
| x 4.0         | 4.46  | 225          |
| x 5.0         | 5.40  | 185          |
| 50 x 50 x 2.5 | 3.71  | 270          |
| x 3.0         | 4.39  | 228          |
| x 3.2         | 4.66  | 215          |
| x 4.0         | 5.72  | 175          |
| x 5.0         | 6.97  | 144          |
| x 6.3         | 8.49  | 118          |
| 60 x 60 x 3.0 | 5.34  | 187          |
| x 3.2         | 5.67  | 177          |
| x 4.0         | 6.97  | 144          |
| x 5.0         | 8.54  | 118          |
| x 6.3         | 10.50 | 95.5         |
| x 8.0         | 12.80 | 78.1         |
| 70 x 70 x 3.0 | 6.28  | 159          |
| x 3.6         | 7.46  | 135          |
| x 5.0         | 10.10 | 99.1         |
| x 6.3         | 12.50 | 80.4         |
| x 8.0         | 15.30 | 65.3         |

# STRUCTURAL HOLLOW SECTIONS - SQUARE



Certified to British & European Standards

| Size mm         | Kg/m  | Metres/Tonne |
|-----------------|-------|--------------|
| 80 x 80 x 3.0   | 7.22  | 139          |
| x 3.6           | 8.59  | 117          |
| x 5.0           | 11.70 | 85.5         |
| x 6.3           | 14.40 | 69.5         |
| x 8.0           | 17.80 | 56.1         |
| 90 x 90 x 3.6   | 9.72  | 103          |
| x 5.0           | 13.30 | 75.2         |
| x 6.3           | 16.40 | 61           |
| x 8.0           | 20.40 | 49.2         |
| 100 x 100 x 4.0 | 12.0  | 83.4         |
| x 5.0           | 14.8  | 67.6         |
| x 6.3           | 18.4  | 54.4         |
| x 8.0           | 22.9  | 43.7         |
| x 10.0          | 27.9  | 35.9         |
| 120 x 120 x 5.0 | 18.0  | 55.6         |
| x 6.3           | 22.3  | 44.9         |
| x 8.0           | 27.9  | 25.9         |
| x 10.0          | 34.2  | 29.3         |
| x 12.5          | 41.6  | 24.1         |
| 140 x 140 x 5.0 | 21.1  | 47.4         |
| x 6.3           | 26.3  | 38.0         |
| x 8.0           | 32.9  | 30.4         |
| x 10.0          | 40.4  | 24.3         |
| x 12.5          | 49.5  | 20.2         |
| 150 x 150 x 5.0 | 22.7  | 44.1         |
| x 6.3           | 28.3  | 35.4         |
| x 8.0           | 35.4  | 28.3         |
| x 10.0          | 43.6  | 23.0         |
| x 12.5          | 53.4  | 18.8         |

# STRUCTURAL HOLLOW SECTIONS - SQUARE

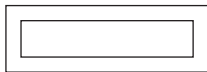


Certified to British & European Standards

| Size mm          | Kg/m  | Metres/Tonne |
|------------------|-------|--------------|
| 180 x 180 x 6.3  | 34.2  | 29.3         |
| x 8.0            | 43.0  | 23.3         |
| x 10.0           | 53.0  | 18.9         |
| x 12.5           | 65.2  | 15.4         |
| x 16.0           | 81.4  | 12.3         |
| 200 x 200 x 6.3  | 38.2  | 26.2         |
| x 8.0            | 48.0  | 20.9         |
| x 10.0           | 59.3  | 16.9         |
| x 12.5           | 73.0  | 13.7         |
| x 16.0           | 91.5  | 11.0         |
| 250 x 250 x 6.3  | 48.1  | 20.8         |
| x 8.0            | 60.5  | 16.6         |
| x 10.0           | 75.0  | 13.4         |
| x 12.5           | 92.6  | 10.8         |
| x 16.0           | 117.0 | 8.55         |
| 300 x 300 x 10.0 | 90.7  | 11.1         |
| x 12.5           | 112.0 | 8.93         |
| x 16.0           | 142.0 | 7.05         |
| 350 x 350 x 10.0 | 106.0 | 9.44         |
| x 12.5           | 132.0 | 7.58         |
| x 16.0           | 167.0 | 5.99         |
| 400 x 400 x 10.0 | 122.0 | 8.20         |
| x 12.5           | 152.0 | 6.58         |
| x 16.0           | 192.0 | 5.21         |



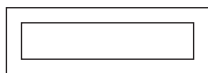
# STRUCTURAL HOLLOW SECTIONS - RECTANGULAR



Certified to British & European Standards

| Size mm           | Kg/m  | Metres/Tonne |
|-------------------|-------|--------------|
| 50 x 25 x 2.5     | 2.72  | 368          |
| x 3.0             | 3.22  | 311          |
| x 3.2             | 3.41  | 293          |
| 50 x 30 x 2.5     | 2.92  | 342          |
| x 3.0             | 3.45  | 290          |
| x 3.2             | 3.66  | 274          |
| x 4.0             | 4.46  | 225          |
| x 5.0             | 5.40  | 186          |
| 60 x 40 x 2.5     | 3.71  | 270          |
| x 3.0             | 4.39  | 228          |
| x 3.2             | 4.66  | 215          |
| x 4.0             | 5.72  | 175          |
| x 5.0             | 6.97  | 144          |
| x 6.3             | 8.49  | 118          |
| 76.2 x 50.8 x 3.2 | 6.02  | 166          |
| x 4.0             | 7.41  | 135          |
| x 4.9             | 8.93  | 112          |
| x 6.3             | 11.20 | 89           |
| 80 x 40 x 3.0     | 5.34  | 187          |
| x 3.2             | 5.67  | 177          |
| x 4.0             | 6.97  | 144          |
| x 5.0             | 8.54  | 118          |
| x 6.3             | 10.50 | 95.5         |
| x 8.0             | 12.80 | 78.1         |
| 90 x 50 x 3.0     | 6.28  | 159          |
| x 3.6             | 7.46  | 135          |
| x 5.0             | 10.10 | 99.1         |
| x 6.3             | 12.50 | 80.4         |
| x 8.0             | 15.30 | 65.3         |

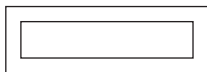
# STRUCTURAL HOLLOW SECTIONS - RECTANGULAR



Certified to British & European Standards

| Size mm         | Kg/m  | Metres/Tonne |
|-----------------|-------|--------------|
| 100 x 50 x 3.0  | 6.75  | 148          |
| x 3.2           | 7.18  | 140          |
| x 4.0           | 8.86  | 113          |
| x 5.0           | 10.90 | 91.8         |
| x 6.3           | 13.40 | 74.7         |
| x 8.0           | 16.60 | 60.3         |
| 100 x 60 x 3.0  | 7.22  | 139          |
| x 3.6           | 8.59  | 117          |
| x 5.0           | 11.70 | 85.5         |
| x 6.3           | 14.40 | 69.5         |
| x 8.0           | 17.80 | 56.1         |
| 120 x 60 x 3.6  | 9.72  | 103          |
| x 5.0           | 13.30 | 75.2         |
| x 6.3           | 16.40 | 61.0         |
| x 8.0           | 20.40 | 49.2         |
| 120 x 80 x 5.0  | 14.80 | 67.6         |
| x 6.3           | 18.40 | 54.4         |
| x 8.0           | 22.90 | 43.7         |
| x 10.0          | 27.90 | 35.9         |
| 150 x 100 x 5.0 | 18.70 | 53.7         |
| x 6.3           | 23.30 | 43.0         |
| x 8.0           | 29.10 | 34.4         |
| x 10.0          | 35.70 | 28.1         |
| x 12.5          | 43.60 | 23.0         |
| 160 x 80 x 5.0  | 18.00 | 55.6         |
| x 6.3           | 22.30 | 44.9         |
| x 8.0           | 27.90 | 35.9         |
| x 10.0          | 34.20 | 29.3         |
| x 12.5          | 41.60 | 24.1         |

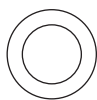
# STRUCTURAL HOLLOW SECTIONS - RECTANGULAR



Certified to British & European Standards

| Size mm          | Kg/m   | Metres/Tonne |
|------------------|--------|--------------|
| 200 x 100 x 5.0  | 22.70  | 44.1         |
| x 6.3            | 28.30  | 35.4         |
| x 8.0            | 35.40  | 28.3         |
| x 10.0           | 43.60  | 23.0         |
| x 12.5           | 53.40  | 18.8         |
| 250 x 150 x 6.3  | 38.20  | 26.2         |
| x 8.0            | 48.00  | 20.9         |
| x 10.0           | 59.30  | 16.9         |
| x 12.5           | 73.00  | 13.7         |
| x 16.0           | 91.50  | 11.0         |
| 300 x 200 x 6.3  | 48.10  | 20.8         |
| x 8.0            | 60.50  | 16.6         |
| x 10.0           | 75.00  | 13.4         |
| x 12.5           | 92.60  | 10.8         |
| x 16.0           | 117.00 | 8.55         |
| 400 x 200 x 10.0 | 90.70  | 11.1         |
| x 12.5           | 112.00 | 8.93         |
| x 16.0           | 142.00 | 7.05         |
| 450 x 250 x 10.0 | 106.00 | 9.44         |
| x 12.5           | 132.00 | 7.58         |
| x 16.0           | 167.00 | 5.99         |

# STRUCTURAL HOLLOW SECTIONS - CIRCULAR



Certified to British & European Standards

| Size mm     | Kg/m  | Metres/Tonne |
|-------------|-------|--------------|
| 21.3 x 3.2  | 1.43  | 700          |
| 26.9 x 3.2  | 1.87  | 535          |
| 33.7 x 2.6  | 1.99  | 503          |
| x 3.2       | 2.41  | 415          |
| x 4.0       | 2.93  | 342          |
| 42.4 x 2.6  | 2.55  | 393          |
| x 3.2       | 3.09  | 324          |
| x 4.0       | 3.79  | 264          |
| 48.3 x 3.2  | 3.56  | 281          |
| x 4.0       | 4.37  | 229          |
| x 5.0       | 5.34  | 188          |
| 60.3 x 3.2  | 4.51  | 222          |
| x 4.0       | 5.55  | 181          |
| x 5.0       | 6.82  | 147          |
| 76.1 x 3.2  | 5.75  | 174          |
| x 4.0       | 7.11  | 141          |
| x 5.0       | 8.77  | 115          |
| 88.9 x 3.2  | 6.76  | 148          |
| x 4.0       | 8.38  | 120          |
| x 5.0       | 10.30 | 97.1         |
| 114.3 x 3.6 | 9.83  | 102          |
| x 5.0       | 13.50 | 74.1         |
| x 6.3       | 16.80 | 59.6         |
| 139.7 x 5.0 | 16.60 | 60.3         |
| x 6.3       | 20.70 | 48.4         |
| x 8.0       | 26.00 | 38.5         |
| x 10.0      | 32.00 | 31.3         |
| 168.3 x 5.0 | 20.10 | 49.8         |
| x 6.3       | 25.20 | 39.7         |
| x 8.0       | 31.60 | 31.7         |
| x 10.0      | 39.00 | 25.7         |

# STRUCTURAL HOLLOW SECTIONS - CIRCULAR



Certified to British & European Standards

| Size mm     | Kg/m  | Metres/Tonne |
|-------------|-------|--------------|
| 193.7 x 5.0 | 23.30 | 42.9         |
| x 6.3       | 29.10 | 34.4         |
| x 8.0       | 36.60 | 27.3         |
| x 10.0      | 45.30 | 22.1         |
| x 12.5      | 55.90 | 17.9         |

# ELECTRIC RESISTANCE WELDED TUBES

| Size                  | Kg/m  |
|-----------------------|-------|
| 1/2" x 1/2" x 16g     | 0.531 |
| 3/4" x 3/4" x 18g     | 0.663 |
| 3/4" x 3/4" x 16g     | 0.856 |
| 1" x 1" x 18g         | 0.906 |
| 1" x 1" x 16g         | 1.181 |
| 1 1/4" x 1 1/4" x 16g | 1.506 |
| 1 1/2" x 1 1/2" x 16g | 1.831 |
| 2" x 1" x 16g         | 1.812 |
| 5/8" o.d. x 16g       | 0.573 |
| 3/4" o.d. x 16g       | 0.700 |
| 1" o.d. x 16g         | 0.956 |
| 1 1/4" o.d. x 16g     | 1.211 |
| 1 1/2" o.d. x 16g     | 1.466 |

Available in 6.100 metre lengths.

## BS 1387 STEEL TUBES - BLACK

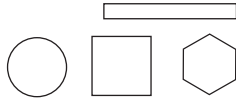
| Nominal Bore |     | Plain or Screwed Ends |             |           | Screwed & Socketed |             |           |
|--------------|-----|-----------------------|-------------|-----------|--------------------|-------------|-----------|
|              |     | Brown Light           | Blue Medium | Red Heavy | Brown Light        | Blue Medium | Red Heavy |
| in           | mm  | kg/m                  | kg/m        | kg/m      | kg/m               | kg/m        | kg/m      |
| 0.125        | 6   | 0.360                 | 0.406       | 0.494     | 0.364              | 0.410       | 0.497     |
| 0.25         | 8   | 0.517                 | 0.650       | 0.770     | 0.520              | 0.653       | 0.773     |
| 0.375        | 10  | 0.674                 | 0.853       | 1.020     | 0.680              | 0.860       | 1.027     |
| 0.5          | 15  | 0.953                 | 1.223       | 1.454     | 0.960              | 1.233       | 1.463     |
| 0.75         | 20  | 1.403                 | 1.577       | 1.890     | 1.420              | 1.593       | 1.903     |
| 1            | 25  | 2.010                 | 2.441       | 2.977     | 2.024              | 2.457       | 2.990     |
| 1.25         | 32  | 2.574                 | 3.141       | 3.841     | 2.603              | 3.170       | 3.870     |
| 1.5          | 40  | 3.260                 | 3.617       | 4.434     | 3.303              | 3.661       | 4.481     |
| 2            | 50  | 4.107                 | 5.090       | 6.160     | 4.180              | 5.164       | 6.238     |
| 2.5          | 65  | 5.804                 | 6.517       | 7.904     | 5.924              | 6.637       | 8.021     |
| 3            | 80  | 6.818                 | 8.467       | 10.061    | 6.980              | 8.631       | 10.224    |
| 4            | 100 | 9.881                 | 12.114      | 14.451    | 10.181             | 12.411      | 14.748    |
| 5            | 125 | -                     | 16.221      | 17.858    | -                  | 16.668      | 18.305    |
| 6            | 150 | -                     | 19.198      | 21.282    | -                  | 19.796      | 21.875    |

## BS 1387 STEEL TUBES - GALVANISED

| Nominal Bore |     | Plain or Screwed Ends |             |           | Screwed & Socketed |             |           |
|--------------|-----|-----------------------|-------------|-----------|--------------------|-------------|-----------|
|              |     | Brown Light           | Blue Medium | Red Heavy | Brown Light        | Blue Medium | Red Heavy |
| in           | mm  | kg/m                  | kg/m        | kg/m      | kg/m               | kg/m        | kg/m      |
| 0.125        | 6   | 0.383                 | 0.430       | 0.513     | 0.387              | 0.430       | 0.517     |
| 0.25         | 8   | 0.547                 | 0.680       | 0.797     | 0.554              | 0.687       | 0.804     |
| 0.375        | 10  | 0.711                 | 0.893       | 1.060     | 0.723              | 0.900       | 1.067     |
| 0.5          | 15  | 1.004                 | 1.273       | 1.504     | 1.013              | 1.283       | 1.514     |
| 0.75         | 20  | 1.473                 | 1.644       | 1.954     | 1.486              | 1.660       | 1.970     |
| 1            | 25  | 2.093                 | 2.524       | 3.057     | 2.110              | 2.540       | 3.074     |
| 1.25         | 32  | 2.680                 | 3.247       | 3.943     | 2.714              | 3.277       | 3.974     |
| 1.5          | 40  | 3.380                 | 3.737       | 4.557     | 3.427              | 3.784       | 4.601     |
| 2            | 50  | 4.260                 | 5.244       | 6.314     | 4.338              | 5.320       | 6.391     |
| 2.5          | 65  | 6.001                 | 6.714       | 8.098     | 6.124              | 6.839       | 8.221     |
| 3            | 80  | 7.047                 | 8.697       | 10.287    | 7.217              | 8.864       | 10.454    |
| 4            | 100 | 10.181                | 12.414      | 14.748    | 10.488             | 12.718      | 15.052    |
| 5            | 125 | -                     | 16.588      | 18.225    | -                  | 17.045      | 18.682    |
| 6            | 150 | -                     | 19.632      | 21.719    | -                  | 20.242      | 22.326    |

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# BRIGHT STEEL



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Certified to British & European Standards

|                        |                  |
|------------------------|------------------|
| <u>Specifications:</u> | BS 970           |
| En3B                   | 080A15<br>070M20 |
| En1A                   | 220M07           |
| En8                    | 080M40           |
| En16T                  | 605M36           |
| En19T                  | 709M40           |
| En24T                  | 817M40           |

|                 |   |
|-----------------|---|
| <u>Rounds</u>   | - 3mm to 180mm<br>- 1/8" to 10"                             |
| <u>Squares</u>  | - 6mm to 90mm<br>- 1/8" to 6"                               |
| <u>Flats</u>    | - 10mm x 3mm to<br>- 200mm x 6mm<br>1/2" x 1/8" to 12" x 2" |
| <u>Hexagons</u> | - 6mm A/F to 70mm A/F<br>- 0.192" A/F to 3.150" A/F         |

Cutting service available

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## “EXPAMET” EXPANDED METAL SHEETS

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| Ref. No. | Description      |
|----------|------------------|
| 2489F    | Flat Mesh        |
| 2073F    | Flat Mesh        |
| 2074F    | Flat Mesh        |
| 2077F    | Flat Mesh        |
| 1584F    | Flat Mesh        |
| 1280F    | Flat Mesh        |
| 2089     | Raised Mesh      |
| 3396     | Raised Mesh      |
| 4896     | Walkway Mesh     |
| 2496     | Walkway Mesh     |
| 1194TGC  | Grain Dryer Mesh |

All sizes stocked in 2440 x 1220 size.

Sizes not listed available on short lead times.

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## OPEN MESH FLOOR PANELS

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| Designation |        | Mat Size    | Kgs. per Mat |
|-------------|--------|-------------|--------------|
| Long. Bars  | Pitch  |             |              |
| 25 x 3      | 41-100 | 6000 x 1000 | 104.75       |
| 25 x 5      | 41-100 | 6000 x 1000 | 168.12       |
| 30 x 3      | 41-100 | 6000 x 1000 | 124.15       |
| 30 x 5      | 41-100 | 6000 x 1000 | 199.80       |
| 25 x 5      | 31-100 | 6000 x 1000 | 225.66       |

Flooring Panels, Self Colour or Galvanised.

Fixing Clips to suit all panels available ex stock.

Handrail Systems and Stair Treads available on short lead times.



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# REINFORCEMENT FABRIC

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| BS Ref. | Kg/m <sup>2</sup> | Weight per Sheet Kg |
|---------|-------------------|---------------------|
| A98     | 1.54              | 18                  |
| A142    | 2.22              | 26                  |
| A193    | 3.02              | 35                  |
| A252    | 3.95              | 46                  |
| A393    | 6.16              | 71                  |

Standard Sheet Size 4.8 x 2.4 metres,

**Also available for prompt delivery in following additional sizes, details on application -**

- BS Ref. 'B' STRUCTURAL FABRIC**
- 'C' LONG MESH FABRIC**
- 'D' WRAPPING FABRIC**

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# SELF COLOUR WELDMESH

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| Specification       | Sheet Size  |
|---------------------|-------------|
| 1" x 1" x 12 SWG.   | 8'0" x 4'0" |
| 2" x 2" x 10 SWG.   | 8'0" x 4'0" |
| 3" x 1/2" x 10 SWG. | 8'0" x 4'0" |

Other sizes available on short lead times. Details on request.

# CONVERSION TABLE

| To Convert                  | Multiply By |
|-----------------------------|-------------|
| <b>Length</b>               |             |
| Inches to Centimetres       | 2.54        |
| Centimetres to Inches       | 0.3937      |
| Feet to Metres              | 0.3048      |
| Metres to Feet              | 3.2808      |
| Miles to Kilometres         | 1.6093      |
| Kilometres to Miles         | 0.6213      |
| <b>Area</b>                 |             |
| Sq Inches to Sq Centimetres | 6.5416      |
| Sq Centimetres to Sq Inches | 0.155       |
| Sq Feet to Sq Metres        | 0.0929      |
| Sq Metres to Sq Feet        | 10.7639     |
| Sq Miles to Sq Kilometres   | 2.5899      |
| Sq Kilometres to Sq Miles   | 0.3861      |
| Acres to Hectares           | 0.4046      |
| Hectares to Acres           | 2.471       |
| <b>Volume</b>               |             |
| Cu Inches to Cu Centimetres | 16.387      |
| Cu Centimetres to Cu Inches | 0.06102     |
| Cu Feet to Cu Metres        | 0.02831     |
| Cu Metres to Cu Feet        | 35.3147     |
| <b>Capacity</b>             |             |
| Gallons to Litres           | 4.5460      |
| Litres to Gallons           | 0.2199      |
| <b>Weight</b>               |             |
| Ounces to Grams             | 28.3495     |
| Grams to Ounces             | 0.03527     |
| Pounds to Grams             | 453.29      |
| Grams to Pounds             | 0.002204    |
| Pounds to Kilograms         | 0.45359     |
| Kilograms to Pounds         | 2.2046      |
| Tons to Kilograms           | 1016.0469   |
| Kilograms to Tons           | 0.000984    |

All weights and conversions in this publication have been offered as a guide only. B+M accepts no responsibility for their use.



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