



## ROUND RODS

|  |       |             | Sec  | A     | Kg/m  | Sec  | A     | Kg/m  |
|-----------------------------------------------------------------------------------|-------|-------------|------|-------|-------|------|-------|-------|
| Sec                                                                               | Dia A | Weight Kg/m |      |       |       |      |       |       |
| R001                                                                              | 6.35  | 0.086       | R026 | 14.30 | 0.434 | R179 | 24.50 | 1.273 |
| R209                                                                              | 7.70  | 0.129       | R064 | 14.70 | 0.458 | R065 | 25.00 | 1.325 |
| R044                                                                              | 7.87  | 0.131       | R032 | 15.00 | 0.477 | R006 | 25.40 | 1.368 |
| R007                                                                              | 7.94  | 0.134       | R244 | 15.25 | 0.493 | R125 | 25.50 | 1.379 |
| R182                                                                              | 8.00  | 0.136       | R262 | 15.40 | 0.503 | R072 | 25.80 | 1.412 |
| R116                                                                              | 8.25  | 0.144       | R141 | 15.60 | 0.516 | R111 | 25.80 | 1.412 |
| R152                                                                              | 8.27  | 0.145       | R146 | 15.80 | 0.529 | R048 | 26.00 | 1.434 |
| R037                                                                              | 8.50  | 0.153       | R004 | 15.88 | 0.535 | R099 | 26.50 | 1.489 |
| R156                                                                              | 8.60  | 0.157       | R197 | 15.88 | 0.535 | R062 | 26.99 | 1.545 |
| R031                                                                              | 9.00  | 0.172       | R015 | 16.00 | 0.543 | R095 | 28.00 | 1.663 |
| R160                                                                              | 9.36  | 0.186       | R122 | 16.00 | 0.543 | R167 | 28.00 | 1.663 |
| R108                                                                              | 9.37  | 0.186       | R058 | 16.20 | 0.557 | R046 | 28.58 | 1.732 |
| R101                                                                              | 9.50  | 0.191       | R264 | 16.50 | 0.577 | R114 | 28.60 | 1.735 |
| R002                                                                              | 9.52  | 0.192       | R067 | 16.70 | 0.591 | R036 | 28.75 | 1.753 |
| R153                                                                              | 9.53  | 0.193       | R229 | 17.00 | 0.613 | R083 | 28.80 | 1.759 |
| R145                                                                              | 9.55  | 0.193       | R085 | 17.10 | 0.620 | R235 | 29.00 | 1.783 |
| R193                                                                              | 9.70  | 0.200       | R027 | 17.50 | 0.649 | R255 | 29.95 | 1.902 |
| R013                                                                              | 10.00 | 0.212       | R040 | 18.00 | 0.687 | R016 | 30.00 | 1.909 |
| R148                                                                              | 10.03 | 0.213       | R216 | 18.30 | 0.710 | R022 | 30.20 | 1.934 |
| R010                                                                              | 10.06 | 0.215       | R093 | 18.70 | 0.742 | R280 | 30.50 | 1.973 |
| R157                                                                              | 10.10 | 0.216       | R028 | 19.00 | 0.766 | R023 | 31.00 | 2.038 |
| R208                                                                              | 10.15 | 0.218       | R124 | 19.00 | 0.766 | R205 | 31.75 | 2.138 |
| R019                                                                              | 10.16 | 0.219       | R005 | 19.05 | 0.770 | R041 | 32.00 | 2.171 |
| R203                                                                              | 10.90 | 0.252       | R075 | 19.05 | 0.770 | R144 | 32.85 | 2.288 |
| R011                                                                              | 11.13 | 0.263       | R192 | 19.30 | 0.790 | R180 | 32.85 | 2.288 |
| R009                                                                              | 11.91 | 0.301       | R086 | 19.60 | 0.815 | R278 | 33.00 | 2.309 |
| R014                                                                              | 12.00 | 0.305       | R029 | 20.00 | 0.848 | R043 | 33.30 | 2.351 |
| R038                                                                              | 12.00 | 0.305       | R168 | 20.00 | 0.848 | R275 | 33.50 | 2.380 |
| R079                                                                              | 12.00 | 0.305       | R092 | 20.20 | 0.865 | R286 | 33.70 | 2.408 |
| R149                                                                              | 12.03 | 0.307       | R218 | 20.30 | 0.874 | R246 | 33.90 | 2.437 |
| R034                                                                              | 12.19 | 0.315       | R042 | 20.65 | 0.904 | R045 | 34.92 | 2.586 |
| R102                                                                              | 12.40 | 0.326       | R039 | 21.00 | 0.935 | R117 | 34.92 | 2.586 |
| R104                                                                              | 12.50 | 0.331       | R074 | 21.00 | 0.935 | R131 | 34.92 | 2.586 |
| R176                                                                              | 12.55 | 0.334       | R187 | 21.00 | 0.935 | R134 | 34.93 | 2.587 |
| R103                                                                              | 12.60 | 0.337       | R091 | 22.00 | 1.026 | R106 | 35.00 | 2.598 |
| R003                                                                              | 12.70 | 0.342       | R094 | 22.00 | 1.026 | R107 | 35.10 | 2.613 |
| R150                                                                              | 12.75 | 0.345       | R166 | 22.00 | 1.026 | R284 | 35.50 | 2.672 |
| R033                                                                              | 12.90 | 0.353       | R118 | 22.20 | 1.045 | R251 | 35.75 | 2.709 |
| R084                                                                              | 13.00 | 0.358       | R008 | 22.22 | 1.047 | R089 | 36.00 | 2.748 |
| R012                                                                              | 13.49 | 0.386       | R163 | 22.55 | 1.078 | R140 | 37.50 | 2.982 |
| R263                                                                              | 13.90 | 0.410       | R198 | 22.70 | 1.093 | R287 | 37.50 | 2.982 |
| R189                                                                              | 14.00 | 0.416       | R137 | 23.00 | 1.122 | R024 | 38.10 | 3.078 |
|                                                                                   |       |             | R188 | 23.00 | 1.122 | R071 | 38.80 | 3.192 |
|                                                                                   |       |             | R256 | 23.25 | 1.146 | R098 | 39.00 | 3.225 |
|                                                                                   |       |             | R087 | 23.70 | 1.191 | R017 | 40.00 | 3.393 |
|                                                                                   |       |             | R061 | 23.81 | 1.202 | R119 | 41.00 | 3.565 |
|                                                                                   |       |             | R162 | 24.00 | 1.221 | R186 | 41.20 | 3.600 |
|                                                                                   |       |             | R217 | 24.30 | 1.252 | R068 | 42.00 | 3.741 |

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## ROUND RODS

|  |       |            | Sec  | A      | Kg/m   | Sec  | A      | Kg/m    |
|-----------------------------------------------------------------------------------|-------|------------|------|--------|--------|------|--------|---------|
| Sec                                                                               | Dia A | Weight Kgm |      |        |        |      |        |         |
| R049                                                                              | 42.70 | 3.866      | R271 | 68.20  | 9.863  | R257 | 133.35 | 37.708  |
| R254                                                                              | 42.90 | 3.903      | R276 | 69.20  | 10.155 | R207 | 135.00 | 38.648  |
| R206                                                                              | 44.45 | 4.190      | R228 | 69.85  | 10.346 | R200 | 136.00 | 39.222  |
| R066                                                                              | 45.00 | 4.294      | R115 | 70.00  | 10.391 | R266 | 139.70 | 41.385  |
| R135                                                                              | 46.00 | 4.487      | R273 | 71.00  | 10.690 | R054 | 140.00 | 41.563  |
| R178                                                                              | 46.00 | 4.487      | R282 | 71.00  | 10.690 | R268 | 143.00 | 43.364  |
| R177                                                                              | 46.80 | 4.645      | R252 | 73.00  | 11.301 | R183 | 145.00 | 44.585  |
| R097                                                                              | 47.00 | 4.684      | R161 | 75.00  | 11.928 | R147 | 146.05 | 45.233  |
| R277                                                                              | 47.63 | 4.810      | R214 | 75.50  | 12.088 | R059 | 150.00 | 47.713  |
| R270                                                                              | 47.70 | 4.825      | R021 | 76.20  | 12.313 | R060 | 152.40 | 49.252  |
| R199                                                                              | 48.00 | 4.886      | R219 | 76.20  | 12.313 | R128 | 153.00 | 49.641  |
| R204                                                                              | 48.00 | 4.886      | R283 | 77.20  | 12.638 | R184 | 160.00 | 54.287  |
| R279                                                                              | 49.00 | 5.091      | R248 | 79.40  | 13.369 | R213 | 160.00 | 54.287  |
| R018                                                                              | 50.00 | 5.301      | R051 | 80.00  | 13.572 | R055 | 165.00 | 57.733  |
| R020                                                                              | 50.80 | 5.472      | R169 | 80.00  | 13.572 | R258 | 165.10 | 57.803  |
| R281                                                                              | 51.75 | 5.679      | R126 | 80.50  | 13.742 | R127 | 165.50 | 58.083  |
| R050                                                                              | 52.00 | 5.734      | R265 | 81.00  | 13.913 | R164 | 170.00 | 61.285  |
| R082                                                                              | 52.00 | 5.734      | R142 | 82.00  | 14.259 | R241 | 172.00 | 62.703  |
| R080                                                                              | 53.00 | 5.957      | R220 | 82.55  | 14.451 | R136 | 175.00 | 64.943  |
| R069                                                                              | 53.50 | 6.070      | R053 | 84.00  | 14.963 | R236 | 177.00 | 66.435  |
| R077                                                                              | 53.50 | 6.070      | R173 | 84.98  | 15.314 | R261 | 177.80 | 67.037  |
| R088                                                                              | 53.50 | 6.070      | R132 | 85.00  | 15.321 | R159 | 180.00 | 68.707  |
| R070                                                                              | 54.00 | 6.184      | R274 | 86.00  | 15.684 | R237 | 184.00 | 71.794  |
| R109                                                                              | 55.00 | 6.415      | R154 | 87.00  | 16.051 | R129 | 187.50 | 74.552  |
| R196                                                                              | 56.00 | 6.650      | R047 | 88.90  | 16.759 | R063 | 188.00 | 74.950  |
| R076                                                                              | 57.15 | 6.926      | R113 | 89.00  | 16.797 | R233 | 190.00 | 76.553  |
| R139                                                                              | 57.15 | 6.927      | R056 | 90.00  | 17.177 | R238 | 190.00 | 76.553  |
| R175                                                                              | 58.80 | 7.332      | R090 | 92.00  | 17.949 | R260 | 190.50 | 76.956  |
| R096                                                                              | 60.00 | 7.634      | R105 | 94.00  | 18.737 | R239 | 197.00 | 82.297  |
| R288                                                                              | 60.32 | 7.716      | R221 | 95.25  | 19.239 | R133 | 200.00 | 84.823  |
| R174                                                                              | 60.50 | 7.762      | R123 | 100.00 | 21.206 | R240 | 203.00 | 87.387  |
| R121                                                                              | 61.00 | 7.891      | R030 | 101.60 | 21.890 | R259 | 203.20 | 87.559  |
| R212                                                                              | 62.50 | 8.284      | R215 | 101.60 | 21.890 | R245 | 205.00 | 89.117  |
| R253                                                                              | 63.33 | 8.505      | R222 | 101.60 | 21.890 | R242 | 209.00 | 92.629  |
| R269                                                                              | 63.40 | 8.524      | R120 | 102.00 | 22.063 | R232 | 210.00 | 93.517  |
| R025                                                                              | 63.50 | 8.551      | R249 | 105.00 | 23.379 | R227 | 211.00 | 94.410  |
| R110                                                                              | 63.50 | 8.551      | R223 | 107.95 | 24.711 | R243 | 216.00 | 98.937  |
| R078                                                                              | 65.00 | 8.959      | R035 | 107.95 | 24.712 | R210 | 220.00 | 102.636 |
| R272                                                                              | 65.00 | 8.959      | R138 | 108.00 | 24.734 | R191 | 226.00 | 108.310 |
| R247                                                                              | 65.40 | 9.070      | R052 | 110.00 | 25.659 | R202 | 230.00 | 112.179 |
| R230                                                                              | 66.75 | 9.448      | R224 | 114.30 | 27.704 | R250 | 241.00 | 123.163 |
| R211                                                                              | 68.00 | 9.806      | R234 | 115.00 | 28.045 | R231 | 250.00 | 132.536 |
|                                                                                   |       |            | R057 | 120.00 | 30.536 | R143 | 254.00 | 136.811 |
|                                                                                   |       |            | R225 | 120.65 | 30.868 | R195 | 254.00 | 136.811 |
|                                                                                   |       |            | R073 | 125.00 | 33.134 | R285 | 266.70 | 150.834 |
|                                                                                   |       |            | R130 | 126.00 | 33.666 | R170 | 280.00 | 166.253 |
|                                                                                   |       |            | R226 | 127.00 | 34.203 | R267 | 284.00 | 171.037 |
|                                                                                   |       |            | R201 | 130.00 | 35.838 | R172 | 289.00 | 177.113 |

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## FLAT BARS

|      |            |                |                | Sec  | A     | B     | Kg/m  |
|------|------------|----------------|----------------|------|-------|-------|-------|
| Sec  | Width<br>A | Thickness<br>B | Weight<br>Kg/m |      |       |       |       |
| F178 | 9.20       | 5.00           | 0.124          | F679 | 20.00 | 4.00  | 0.216 |
| F197 | 9.30       | 4.70           | 0.118          | F623 | 20.00 | 5.00  | 0.270 |
| F001 | 11.91      | 1.98           | 0.064          | F311 | 20.00 | 10.00 | 0.540 |
| F196 | 12.00      | 3.00           | 0.097          | F051 | 20.00 | 14.00 | 0.756 |
| F251 | 12.00      | 3.08           | 0.100          | F019 | 20.65 | 3.18  | 0.177 |
| F090 | 12.00      | 6.00           | 0.194          | F631 | 24.00 | 6.35  | 0.411 |
| F502 | 12.70      | 2.30           | 0.079          | F043 | 25.00 | 3.00  | 0.203 |
| F685 | 12.70      | 3.18           | 0.108          | F312 | 25.00 | 4.00  | 0.270 |
| F507 | 12.70      | 4.50           | 0.154          | F376 | 25.00 | 5.00  | 0.335 |
| F547 | 12.70      | 4.75           | 0.163          | F045 | 25.00 | 6.00  | 0.405 |
| F259 | 12.70      | 6.40           | 0.219          | F670 | 25.00 | 6.55  | 0.442 |
| F635 | 12.70      | 9.52           | 0.326          | F680 | 25.00 | 10.00 | 0.675 |
| F697 | 13.00      | 4.00           | 0.140          | F091 | 25.00 | 12.00 | 0.810 |
| F038 | 14.27      | 3.96           | 0.153          | F681 | 25.00 | 15.00 | 1.012 |
| F318 | 15.00      | 6.00           | 0.243          | F360 | 25.00 | 20.00 | 1.350 |
| F550 | 15.88      | 2.80           | 0.120          | F336 | 25.40 | 2.50  | 0.171 |
| F581 | 15.88      | 3.18           | 0.136          | F397 | 25.40 | 2.80  | 0.192 |
| F039 | 15.88      | 9.52           | 0.408          | F007 | 25.40 | 3.18  | 0.218 |
| F499 | 16.00      | 6.00           | 0.259          | F403 | 25.40 | 4.50  | 0.309 |
| F326 | 17.00      | 4.17           | 0.191          | F434 | 25.40 | 4.76  | 0.326 |
| F597 | 18.00      | 4.00           | 0.194          | F633 | 25.40 | 6.00  | 0.410 |
| F682 | 18.00      | 6.00           | 0.291          | F204 | 25.40 | 6.35  | 0.435 |
| F191 | 19.00      | 4.00           | 0.205          | F008 | 25.40 | 6.36  | 0.435 |
| F050 | 19.00      | 5.00           | 0.257          | F055 | 25.40 | 7.92  | 0.543 |
| F221 | 19.05      | 2.03           | 0.104          | F093 | 25.40 | 9.52  | 0.653 |
| F396 | 19.05      | 2.80           | 0.144          | F419 | 25.40 | 12.00 | 0.823 |
| F004 | 19.05      | 3.18           | 0.164          | F260 | 25.40 | 12.70 | 0.871 |
| F267 | 19.05      | 3.66           | 0.186          | F046 | 25.40 | 14.30 | 0.981 |
| F389 | 19.05      | 4.50           | 0.231          | F484 | 25.40 | 15.80 | 1.084 |
| F005 | 19.05      | 4.78           | 0.246          | F404 | 25.40 | 19.05 | 1.306 |
| F390 | 19.05      | 6.00           | 0.309          | F444 | 30.00 | 2.00  | 0.162 |
| F037 | 19.05      | 6.35           | 0.327          | F587 | 30.00 | 3.00  | 0.243 |
| F071 | 19.05      | 8.13           | 0.418          | F081 | 30.00 | 5.00  | 0.405 |
| F505 | 19.05      | 9.53           | 0.490          | F375 | 30.00 | 5.00  | 0.403 |
| F175 | 19.05      | 12.70          | 0.653          | F454 | 30.00 | 10.00 | 0.810 |
| F365 | 19.20      | 3.70           | 0.191          | F699 | 30.00 | 15.00 | 1.349 |
| F006 | 19.84      | 3.18           | 0.170          | F265 | 30.00 | 20.00 | 1.620 |
| F047 | 20.00      | 3.00           | 0.162          | F020 | 30.18 | 3.18  | 0.259 |
|      |            |                |                | F009 | 30.18 | 3.96  | 0.323 |
|      |            |                |                | F027 | 30.18 | 12.70 | 1.035 |
|      |            |                |                | F255 | 31.35 | 4.75  | 0.402 |
|      |            |                |                | F354 | 31.50 | 6.00  | 0.510 |
|      |            |                |                | F398 | 31.75 | 2.80  | 0.240 |
|      |            |                |                | F021 | 31.75 | 3.18  | 0.273 |
|      |            |                |                | F391 | 31.75 | 4.50  | 0.386 |

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## FLAT BARS

|       |            |                |                | Sec  | A     | B     | Kg/m  |
|-------|------------|----------------|----------------|------|-------|-------|-------|
| Sec   | Width<br>A | Thickness<br>B | Weight<br>Kg/m |      |       |       |       |
| F010  | 31.75      | 4.78           | 0.410          | F377 | 40.00 | 6.00  | 0.646 |
| F508  | 31.75      | 6.00           | 0.514          | F368 | 40.00 | 7.50  | 0.810 |
| F011  | 31.75      | 6.35           | 0.544          | F313 | 40.00 | 8.00  | 0.864 |
| F025  | 31.75      | 8.13           | 0.697          | F214 | 40.00 | 10.00 | 1.080 |
| F012  | 31.75      | 9.52           | 0.816          | F660 | 40.00 | 12.00 | 1.296 |
| F-103 | 31.75      | 12.70          | 1.089          | F092 | 40.00 | 15.00 | 1.620 |
| F428  | 31.75      | 15.90          | 1.363          | F205 | 40.00 | 20.00 | 2.160 |
| F586  | 31.75      | 19.05          | 1.633          | F269 | 40.64 | 11.40 | 1.242 |
| F536  | 31.75      | 25.40          | 2.177          | F040 | 41.28 | 6.35  | 0.708 |
| F044  | 32.00      | 6.00           | 0.518          | F698 | 42.00 | 3.50  | 0.397 |
| F212  | 33.50      | 8.00           | 0.724          | F042 | 42.00 | 6.00  | 0.680 |
| F018  | 34.93      | 3.18           | 0.300          | F166 | 44.00 | 3.90  | 0.463 |
| F441  | 35.00      | 3.00           | 0.284          | F023 | 44.45 | 3.18  | 0.382 |
| F402  | 35.00      | 5.00           | 0.473          | F632 | 44.45 | 6.00  | 0.719 |
| F256  | 36.35      | 5.00           | 0.491          | F041 | 44.45 | 6.35  | 0.762 |
| F340  | 38.00      | 3.18           | 0.326          | F029 | 44.45 | 12.70 | 1.524 |
| F253  | 38.10      | 1.60           | 0.165          | F535 | 44.55 | 8.00  | 0.960 |
| F399  | 38.10      | 2.80           | 0.288          | F353 | 45.00 | 5.00  | 0.608 |
| F640  | 38.10      | 3.00           | 0.308          | F291 | 45.00 | 25.00 | 3.038 |
| F545  | 38.10      | 4.50           | 0.463          | F148 | 45.50 | 3.60  | 0.442 |
| F101  | 38.10      | 4.78           | 0.492          | F430 | 49.00 | 2.28  | 0.302 |
| F371  | 38.10      | 6.00           | 0.617          | F082 | 50.00 | 2.50  | 0.338 |
| F013  | 38.10      | 6.35           | 0.653          | F576 | 50.00 | 3.00  | 0.405 |
| F504  | 38.10      | 7.92           | 0.815          | F136 | 50.00 | 5.00  | 0.675 |
| F417  | 38.10      | 9.00           | 0.926          | F302 | 50.00 | 5.05  | 0.682 |
| F014  | 38.10      | 9.52           | 0.979          | F455 | 50.00 | 6.00  | 0.810 |
| F420  | 38.10      | 12.00          | 1.234          | F238 | 50.00 | 6.50  | 0.878 |
| F028  | 38.10      | 12.70          | 1.306          | F282 | 50.00 | 8.00  | 1.080 |
| F405  | 38.10      | 15.80          | 1.625          | F137 | 50.00 | 10.00 | 1.350 |
| F382  | 38.10      | 19.05          | 1.960          | F177 | 50.00 | 11.30 | 1.526 |
| F342  | 38.10      | 22.00          | 2.263          | F329 | 50.00 | 12.00 | 1.620 |
| F437  | 38.10      | 25.40          | 2.613          | F341 | 50.00 | 12.00 | 1.620 |
| F034  | 38.10      | 31.75          | 3.266          | F671 | 50.00 | 15.00 | 2.025 |
| F167  | 39.00      | 3.60           | 0.379          | F125 | 50.00 | 20.00 | 2.700 |
| F022  | 39.70      | 3.18           | 0.341          | F695 | 50.00 | 30.00 | 4.049 |
| F337  | 40.00      | 5.00           | 0.540          | F024 | 50.80 | 1.98  | 0.272 |
| F215  | 40.00      | 6.00           | 0.648          | F400 | 50.80 | 2.80  | 0.384 |
| F228  | 40.00      | 6.00           | 0.648          | F592 | 50.80 | 3.18  | 0.436 |
|       |            |                |                | F410 | 50.80 | 4.50  | 0.617 |
|       |            |                |                | F628 | 50.80 | 4.76  | 0.653 |
|       |            |                |                | F401 | 50.80 | 5.80  | 0.796 |
|       |            |                |                | F678 | 50.80 | 6.00  | 0.823 |
|       |            |                |                | F015 | 50.80 | 6.35  | 0.871 |
|       |            |                |                | F637 | 50.80 | 8.00  | 1.097 |
|       |            |                |                | F672 | 50.80 | 9.00  | 1.234 |

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## FLAT BARS

|  |            |                |                | Sec  | A     | B     | Kg/m  |
|-----------------------------------------------------------------------------------|------------|----------------|----------------|------|-------|-------|-------|
| Sec                                                                               | Width<br>A | Thickness<br>B | Weight<br>Kg/m |      |       |       |       |
| F016                                                                              | 50.80      | 9.52           | 1.306          | F463 | 63.50 | 15.90 | 2.726 |
| F030                                                                              | 50.80      | 12.70          | 1.742          | F412 | 63.50 | 19.05 | 3.266 |
| F406                                                                              | 50.80      | 15.80          | 2.167          | F464 | 63.50 | 25.40 | 4.355 |
| F280                                                                              | 50.80      | 19.00          | 2.606          | F677 | 63.50 | 44.45 | 7.621 |
| F281                                                                              | 50.80      | 25.40          | 3.484          | F083 | 65.00 | 2.50  | 0.439 |
| F061                                                                              | 50.80      | 31.75          | 4.355          | F609 | 65.00 | 6.00  | 1.053 |
| F352                                                                              | 50.80      | 36.00          | 4.938          | F057 | 65.00 | 22.00 | 3.861 |
| F438                                                                              | 50.80      | 38.10          | 5.226          | F252 | 65.00 | 25.00 | 4.388 |
| F619                                                                              | 50.80      | 40.00          | 5.486          | F208 | 65.00 | 35.00 | 6.143 |
| F062                                                                              | 50.80      | 44.45          | 6.097          | F185 | 68.00 | 2.80  | 0.514 |
| F686                                                                              | 51.15      | 25.40          | 3.919          | F159 | 69.00 | 5.50  | 1.025 |
| F084                                                                              | 53.98      | 19.05          | 2.776          | F209 | 70.00 | 25.00 | 4.725 |
| F233                                                                              | 55.00      | 40.00          | 5.940          | F433 | 70.00 | 40.00 | 7.560 |
| F131                                                                              | 57.15      | 4.70           | 0.725          | F234 | 70.00 | 50.00 | 9.450 |
| F153                                                                              | 57.50      | 4.37           | 0.678          | F442 | 74.00 | 3.00  | 0.599 |
| F348                                                                              | 59.54      | 6.35           | 1.021          | F161 | 75.00 | 4.40  | 0.891 |
| F117                                                                              | 60.00      | 4.70           | 0.761          | F176 | 75.00 | 5.00  | 1.013 |
| F138                                                                              | 60.00      | 5.00           | 0.810          | F241 | 75.00 | 6.50  | 1.316 |
| F347                                                                              | 60.00      | 6.00           | 0.972          | F263 | 75.00 | 10.00 | 2.016 |
| F139                                                                              | 60.00      | 10.00          | 1.620          | F296 | 75.00 | 12.00 | 2.430 |
| F239                                                                              | 60.00      | 10.00          | 1.620          | F266 | 75.00 | 25.00 | 5.063 |
| F584                                                                              | 60.00      | 15.00          | 2.430          | F289 | 75.00 | 35.00 | 7.088 |
| F585                                                                              | 60.00      | 20.00          | 3.240          | F413 | 76.00 | 3.30  | 0.677 |
| F206                                                                              | 60.00      | 25.00          | 4.050          | F258 | 76.00 | 15.00 | 3.078 |
| F207                                                                              | 60.00      | 30.00          | 4.860          | F643 | 76.20 | 2.80  | 0.576 |
| F290                                                                              | 60.00      | 40.00          | 6.480          | F032 | 76.20 | 4.78  | 0.983 |
| F126                                                                              | 62.00      | 5.80           | 0.971          | F155 | 76.20 | 4.98  | 1.025 |
| F295                                                                              | 63.00      | 12.00          | 2.041          | F134 | 76.20 | 5.50  | 1.132 |
| F056                                                                              | 63.00      | 19.00          | 3.232          | F156 | 76.20 | 5.70  | 1.173 |
| F673                                                                              | 63.50      | 4.50           | 0.771          | F411 | 76.20 | 6.00  | 1.234 |
| F128                                                                              | 63.50      | 4.76           | 0.816          | F033 | 76.20 | 6.35  | 1.306 |
| F392                                                                              | 63.50      | 6.00           | 1.029          | F157 | 76.20 | 6.55  | 1.348 |
| F074                                                                              | 63.50      | 6.35           | 1.089          | F439 | 76.20 | 7.94  | 1.634 |
| F300                                                                              | 63.50      | 6.40           | 1.097          | F372 | 76.20 | 9.00  | 1.852 |
| F482                                                                              | 63.50      | 7.92           | 1.358          | F182 | 76.20 | 9.52  | 1.959 |
| F119                                                                              | 63.50      | 8.50           | 1.457          | F578 | 76.20 | 12.00 | 2.467 |
| F131                                                                              | 63.50      | 9.52           | 1.632          | F262 | 76.20 | 12.70 | 2.613 |
| F052                                                                              | 63.50      | 12.70          | 2.177          | F407 | 76.20 | 15.80 | 3.251 |
|                                                                                   |            |                |                | F383 | 76.20 | 19.05 | 3.919 |
|                                                                                   |            |                |                | F080 | 76.20 | 22.22 | 4.572 |
|                                                                                   |            |                |                | F384 | 76.20 | 25.40 | 5.226 |
|                                                                                   |            |                |                | F589 | 76.20 | 31.75 | 6.532 |
|                                                                                   |            |                |                | F465 | 76.20 | 38.10 | 7.839 |
|                                                                                   |            |                |                | F107 | 76.20 | 40.00 | 8.230 |
|                                                                                   |            |                |                | F073 | 76.20 | 44.45 | 9.144 |

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## FLAT BARS

|      |            |                |                | Sec  | A      | B     | Kg/m   |
|------|------------|----------------|----------------|------|--------|-------|--------|
| Sec  | Width<br>A | Thickness<br>B | Weight<br>Kg/m |      |        |       |        |
| F588 | 76.20      | 50.80          | 10.452         | F641 | 100.00 | 3.00  | 0.810  |
| F127 | 78.00      | 3.50           | 0.737          | F330 | 100.00 | 6.00  | 1.620  |
| F676 | 78.00      | 5.00           | 1.052          | F237 | 100.00 | 6.50  | 1.755  |
| F168 | 80.00      | 4.70           | 1.015          | F283 | 100.00 | 8.00  | 2.160  |
| F195 | 80.00      | 6.00           | 1.296          | F094 | 100.00 | 10.00 | 2.700  |
| F227 | 80.00      | 6.00           | 1.296          | F235 | 100.00 | 10.00 | 2.700  |
| F226 | 80.00      | 8.00           | 1.728          | F264 | 100.00 | 10.00 | 2.691  |
| F304 | 80.00      | 8.05           | 2.819          | F307 | 100.00 | 10.05 | 2.714  |
| F220 | 80.00      | 10.00          | 2.160          | F297 | 100.00 | 12.00 | 3.240  |
| F225 | 80.00      | 10.00          | 2.160          | F361 | 100.00 | 15.00 | 4.050  |
| F332 | 80.00      | 12.00          | 2.592          | F379 | 100.00 | 16.00 | 4.318  |
| F210 | 80.00      | 20.00          | 4.320          | F461 | 100.00 | 20.00 | 5.400  |
| F324 | 80.00      | 25.00          | 5.400          | F110 | 100.00 | 25.00 | 6.750  |
| F314 | 80.00      | 30.00          | 6.480          | F501 | 101.60 | 3.00  | 0.823  |
| F675 | 80.00      | 46.50          | 10.043         | F694 | 101.60 | 3.17  | 0.870  |
| F017 | 80.16      | 5.94           | 1.286          | F503 | 101.60 | 4.50  | 1.234  |
| F183 | 83.00      | 6.50           | 1.457          | F373 | 101.60 | 6.00  | 1.646  |
| F582 | 84.00      | 24.00          | 5.443          | F388 | 101.60 | 6.00  | 1.646  |
| F510 | 85.00      | 22.00          | 5.049          | F036 | 101.60 | 6.35  | 1.742  |
| F058 | 85.00      | 28.00          | 6.426          | F102 | 101.60 | 6.35  | 1.742  |
| F315 | 85.00      | 65.00          | 14.918         | F577 | 101.60 | 7.94  | 2.178  |
| F288 | 85.00      | 68.00          | 15.606         | F661 | 101.60 | 9.00  | 2.467  |
| F593 | 88.90      | 6.00           | 1.440          | F096 | 101.60 | 9.52  | 2.612  |
| F687 | 88.90      | 6.35           | 1.524          | F422 | 101.60 | 12.00 | 3.292  |
| F229 | 88.90      | 12.70          | 3.048          | F066 | 101.60 | 12.70 | 3.484  |
| F594 | 88.90      | 15.88          | 3.811          | F479 | 101.60 | 15.90 | 4.362  |
| F104 | 88.90      | 25.40          | 6.097          | F408 | 101.60 | 19.05 | 5.226  |
| F688 | 88.90      | 50.80          | 12.193         | F105 | 101.60 | 25.40 | 6.968  |
| F691 | 88.90      | 63.50          | 15.240         | F548 | 101.60 | 31.75 | 8.710  |
| F223 | 90.00      | 5.20           | 1.264          | F077 | 101.60 | 34.93 | 9.582  |
| F480 | 90.00      | 9.50           | 2.309          | F546 | 101.60 | 38.10 | 10.452 |
| F423 | 90.00      | 10.00          | 2.430          | F079 | 101.60 | 50.80 | 13.935 |
| F108 | 90.00      | 32.00          | 7.776          | F638 | 101.60 | 76.20 | 20.903 |
| F147 | 91.00      | 4.80           | 1.179          | F174 | 102.00 | 5.25  | 1.446  |
| F164 | 91.00      | 4.90           | 1.204          | F190 | 103.00 | 6.00  | 1.669  |
| F130 | 91.00      | 5.20           | 1.278          | F192 | 104.77 | 6.35  | 1.796  |
| F060 | 95.25      | 15.90          | 4.089          | F132 | 105.00 | 4.40  | 1.247  |
| F142 | 96.00      | 5.31           | 1.376          | F106 | 108.00 | 5.00  | 1.458  |
|      |            |                |                | F224 | 108.00 | 98.00 | 28.577 |
|      |            |                |                | F471 | 110.00 | 40.00 | 11.880 |
|      |            |                |                | F111 | 110.00 | 60.00 | 17.820 |
|      |            |                |                | F120 | 110.50 | 4.86  | 1.450  |
|      |            |                |                | F186 | 110.50 | 5.50  | 1.641  |
|      |            |                |                | F642 | 115.00 | 73.00 | 22.667 |
|      |            |                |                | F431 | 120.00 | 10.00 | 3.240  |

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## FLAT BARS

|      |            |                |                | Sec   | A      | B      | Kg/m   |
|------|------------|----------------|----------------|-------|--------|--------|--------|
| Sec  | Width<br>A | Thickness<br>B | Weight<br>Kg/m |       |        |        |        |
| F115 | 120.00     | 80.00          | 25.920         | F076  | 150.00 | 75.00  | 30.375 |
| F364 | 123.00     | 3.20           | 1.063          | F075  | 152.00 | 6.00   | 2.462  |
| F121 | 125.00     | 5.08           | 1.715          | F232  | 152.00 | 6.50   | 2.668  |
| F163 | 125.00     | 5.50           | 1.856          | F689  | 152.40 | 3.18   | 1.307  |
| F180 | 125.00     | 10.00          | 3.375          | F625  | 152.40 | 4.76   | 1.959  |
| F294 | 125.00     | 12.00          | 4.050          | F271  | 152.40 | 6.35   | 2.613  |
| F509 | 125.00     | 22.00          | 7.425          | F611I | 152.40 | 8.00   | 3.292  |
| F355 | 126.00     | 10.50          | 3.572          | F272  | 152.40 | 9.52   | 3.917  |
| F626 | 127.00     | 4.76           | 1.632          | F067  | 152.40 | 12.70  | 5.226  |
| F249 | 127.00     | 6.35           | 2.177          | F636  | 152.40 | 15.88  | 6.532  |
| F113 | 127.00     | 9.52           | 3.264          | F690  | 152.40 | 19.05  | 7.837  |
| F144 | 127.00     | 12.70          | 4.355          | F498  | 152.40 | 25.40  | 10.452 |
| F500 | 127.00     | 12.70          | 4.355          | F684  | 152.40 | 38.10  | 15.677 |
| F303 | 127.00     | 12.72          | 4.362          | F591  | 152.40 | 101.60 | 41.806 |
| F555 | 127.00     | 15.80          | 5.418          | F440  | 152.42 | 19.05  | 7.840  |
| F385 | 127.00     | 19.05          | 6.532          | F274  | 160.00 | 10.00  | 4.320  |
| F078 | 127.00     | 28.58          | 9.800          | F194  | 160.00 | 24.50  | 10.584 |
| F086 | 127.00     | 31.75          | 10.887         | F346  | 165.00 | 25.00  | 11.138 |
| F639 | 127.00     | 38.10          | 13.064         | F141  | 170.00 | 15.00  | 6.885  |
| F590 | 127.00     | 50.80          | 17.419         | F426  | 170.00 | 32.00  | 14.688 |
| F187 | 127.00     | 57.15          | 19.597         | F216  | 172.00 | 6.40   | 2.970  |
| F188 | 127.00     | 76.20          | 26.129         | F692  | 172.00 | 12.00  | 5.572  |
| F109 | 130.00     | 30.00          | 10.530         | F693  | 173.00 | 14.00  | 6.539  |
| F644 | 130.00     | 65.00          | 22.814         | F429  | 175.00 | 5.00   | 2.363  |
| F443 | 133.00     | 4.70           | 1.688          | F351  | 175.00 | 38.00  | 17.955 |
| F583 | 139.00     | 32.00          | 12.009         | F321  | 175.00 | 52.00  | 24.570 |
| F630 | 140.00     | 4.00           | 1.512          | F322  | 175.00 | 95.00  | 44.888 |
| F199 | 140.00     | 20.00          | 7.560          | F518  | 176.00 | 13.00  | 6.178  |
| F345 | 140.00     | 22.00          | 8.316          | F624  | 177.80 | 4.76   | 2.285  |
| F218 | 140.00     | 45.00          | 17.010         | F627  | 177.80 | 6.00   | 2.880  |
| F217 | 140.00     | 90.00          | 34.020         | F003  | 178.10 | 16.00  | 7.694  |
| F089 | 150.00     | 7.50           | 3.038          | F112  | 182.88 | 19.05  | 9.406  |
| F285 | 150.00     | 8.00           | 3.240          | F543  | 185.00 | 70.00  | 34.965 |
| F230 | 150.00     | 10.00          | 4.050          | F425  | 190.00 | 50.00  | 25.650 |
| F268 | 150.00     | 10.00          | 4.050          | F193  | 200.00 | 10.00  | 5.400  |
| F140 | 150.00     | 25.00          | 10.125         | F432  | 200.00 | 12.00  | 6.480  |
| F213 | 150.00     | 30.00          | 12.150         | F242  | 200.00 | 13.00  | 7.020  |
| F549 | 150.00     | 40.00          | 16.200         | F276  | 200.00 | 20.00  | 10.800 |
|      |            |                |                | F306  | 200.00 | 20.05  | 10.827 |
|      |            |                |                | F319  | 200.00 | 25.00  | 13.500 |
|      |            |                |                | F143  | 200.00 | 35.00  | 18.900 |
|      |            |                |                | F320  | 200.00 | 52.00  | 28.080 |
|      |            |                |                | F323  | 200.00 | 59.00  | 31.860 |
|      |            |                |                | F483  | 203.20 | 6.35   | 3.484  |
|      |            |                |                | F273  | 203.20 | 9.52   | 5.223  |

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## FLAT BARS & FLATS WITH CORNER RADIUS

| Sec  | A      | B     | Kg/m   | Sec  | A     | B     | R    | Kg/m   |
|------|--------|-------|--------|------|-------|-------|------|--------|
| F054 | 203.20 | 12.70 | 6.968  | 5272 | 8.00  | 3.18  | 1.59 | 0.063  |
| F571 | 203.20 | 12.70 | 6.966  | 6305 | 9.93  | 7.95  | 1.60 | 0.207  |
| F072 | 203.20 | 25.40 | 13.935 | 5529 | 15.88 | 2.38  | 0.64 | 0.101  |
| F506 | 205.00 | 4.00  | 2.214  | 5507 | 19.05 | 2.50  | 1.25 | 0.125  |
| F287 | 222.00 | 32.00 | 19.181 | 5502 | 19.05 | 2.64  | -    | 0.132  |
| F070 | 223.00 | 52.00 | 31.309 | 5516 | 19.05 | 3.18  | -    | 0.158  |
| F512 | 224.00 | 4.83  | 2.921  | 5508 | 20.00 | 3.00  | 1.50 | 0.157  |
| F293 | 225.00 | 10.00 | 6.074  | 5519 | 20.00 | 3.00  | 1.50 | 0.159  |
| F534 | 229.00 | 19.00 | 11.748 | 5506 | 20.00 | 5.00  | 2.50 | 0.263  |
| F309 | 230.00 | 6.00  | 3.726  | 5214 | 22.00 | 4.00  | 2.00 | 0.228  |
| F533 | 230.00 | 16.00 | 9.935  | 5209 | 22.00 | 14.00 | 1.00 | 0.809  |
| F541 | 235.00 | 35.00 | 22.208 | 5505 | 25.40 | 3.18  | 1.98 | 0.213  |
| F542 | 235.00 | 50.00 | 31.725 | 5531 | 25.40 | 3.18  | 3.18 | 0.206  |
| F201 | 245.00 | 14.00 | 9.261  | 5236 | 27.50 | 24.00 | 1.50 | 1.777  |
| F696 | 250.00 | 9.20  | 6.209  | 5567 | 30.00 | 10.00 | 2.00 | 0.801  |
| F069 | 254.00 | 12.70 | 8.710  | 5525 | 31.20 | 8.05  | 1.20 | 0.675  |
| F683 | 254.00 | 25.40 | 17.418 | 5638 | 31.75 | 19.05 | 1.50 | 1.628  |
| F338 | 255.00 | 17.00 | 11.705 | 5284 | 32.50 | 26.50 | 2.00 | 2.316  |
| F453 | 255.00 | 22.00 | 15.147 | 5571 | 35.00 | 20.00 | -    | 1.889  |
| F424 | 260.00 | 38.00 | 26.676 | 5592 | 36.00 | 21.00 | -    | 2.039  |
| F358 | 266.70 | 25.40 | 18.290 | 5274 | 38.00 | 28.00 | 3.00 | 2.852  |
| F553 | 270.00 | 65.00 | 47.385 | 5216 | 38.10 | 25.40 | 3.00 | 2.592  |
| F488 | 280.00 | 9.53  | 7.205  | 5639 | 39.00 | 28.00 | 5.00 | 2.890  |
| F513 | 286.00 | 6.35  | 4.903  | 5238 | 40.00 | 6.00  | 1.00 | 27.617 |
| F511 | 290.00 | 9.53  | 7.462  | 5235 | 40.00 | 25.00 | 3.00 | 2.679  |
| F308 | 300.00 | 6.00  | 4.860  | 5228 | 40.00 | 27.50 | 3.00 | 2.949  |
| F068 | 304.80 | 12.70 | 10.452 | 5593 | 40.00 | 30.00 | -    | 3.235  |
| F645 | 305.00 | 23.00 | 18.941 | 5550 | 40.64 | 10.16 | 2.00 | 1.106  |
| F064 | 305.00 | 25.40 | 20.917 | 5226 | 40.64 | 11.40 | 2.00 | 1.242  |
| F427 | 315.00 | 24.00 | 20.412 | 5248 | 41.00 | 25.40 | 3.00 | 2.791  |
| F367 | 315.00 | 65.00 | 55.245 | 5219 | 44.00 | 34.00 | -    | 4.002  |
| F356 | 324.00 | 20.00 | 17.496 | 5224 | 44.45 | 38.10 | 1.50 | 4.567  |
| F202 | 330.00 | 16.00 | 14.256 | 5542 | 45.00 | 10.00 | 5.00 | 1.186  |
| F063 | 330.00 | 19.00 | 16.929 | 5206 | 45.00 | 25.00 | 3.00 | 3.017  |
| F179 | 330.00 | 36.00 | 32.076 | 5246 | 50.00 | 6.00  | 2.00 | 0.801  |
| F099 | 330.20 | 44.45 | 39.629 | 6374 | 50.00 | 6.30  | -    | 0.827  |
|      |        |       |        | 5310 | 50.00 | 8.00  | 3.00 | 1.071  |

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## FLATS WITH CORNER RADIUS

|      |        |        |       |        | Sec  | A      | B      | R     | Kg/m   |
|------|--------|--------|-------|--------|------|--------|--------|-------|--------|
| 5200 | 50.00  | 12.00  | 3.00  | 1.599  | 5312 | 117.00 | 62.00  | 20.00 | 18.659 |
| 5576 | 50.00  | 12.00  | 3.00  | 1.599  | 5237 | 117.00 | 62.00  | 20.00 | 18.722 |
| WB01 | 50.80  | 50.80  | 6.35  | 6.874  | 5565 | 125.00 | 2.50   | 1.25  | 0.840  |
| 5240 | 51.00  | 47.00  | 3.00  | 6.451  | 5287 | 127.00 | 25.40  | 5.00  | 8.573  |
| 5587 | 51.50  | 12.70  | 4.00  | 1.729  | 5231 | 140.00 | 22.00  | 2.00  | 8.307  |
| 5577 | 60.00  | 10.00  | 1.50  | 1.606  | 6470 | 140.00 | 25.00  | 5.00  | 3.627  |
| 5568 | 60.00  | 10.00  | 2.00  | 1.611  | 5250 | 150.00 | 6.00   | 2.00  | 2.418  |
| 5270 | 63.50  | 6.35   | 3.17  | 1.065  | 5298 | 150.00 | 40.00  | 3.00  | 16.179 |
| 5257 | 63.50  | 50.80  | 1.00  | 8.707  | 5582 | 150.00 | 100.00 | 3.00  | 40.479 |
| 5311 | 65.00  | 8.00   | 3.00  | 1.395  | 5291 | 152.00 | 63.00  | 3.00  | 25.834 |
| 5290 | 70.00  | 65.00  | 5.00  | 12.227 | 5574 | 152.40 | 6.35   | 3.17  | 2.590  |
| 5205 | 71.00  | 4.80   | 1.00  | 0.918  | 5258 | 152.40 | 16.00  | 1.00  | 6.581  |
| 5202 | 75.00  | 10.00  | 2.00  | 2.016  | 5265 | 155.00 | 125.00 | 3.00  | 52.292 |
| 5211 | 75.00  | 10.00  | 2.00  | 2.016  | 5314 | 160.00 | 90.00  | 3.00  | 38.859 |
| 5595 | 75.00  | 10.00  | 2.00  | 2.016  | 5268 | 170.00 | 135.00 | 2.00  | 61.956 |
| 5572 | 76.20  | 6.35   | 3.17  | 1.283  | 5253 | 175.00 | 8.00   | 2.00  | 3.771  |
| 5549 | 76.20  | 9.52   | 2.00  | 1.949  | 5299 | 180.00 | 40.00  | 3.00  | 19.419 |
| 5217 | 76.20  | 12.70  | 4.00  | 2.576  | 5215 | 182.88 | 19.05  | 3.00  | 9.386  |
| WB03 | 76.20  | 76.20  | 9.50  | 15.468 | 5263 | 193.00 | 66.00  | 3.00  | 34.372 |
| 5596 | 80.00  | 10.00  | 2.00  | 2.151  | 5264 | 193.00 | 93.00  | 3.00  | 48.442 |
| 5575 | 80.00  | 60.00  | 6.00  | 12.877 | 5598 | 200.00 | 12.00  | 3.00  | 6.459  |
| 5262 | 85.00  | 65.00  | 3.00  | 14.897 | 5213 | 200.00 | 12.00  | 6.00  | 6.397  |
| 5280 | 85.00  | 65.00  | 5.00  | 14.860 | 5306 | 200.00 | 32.00  | 3.00  | 17.259 |
| 5225 | 88.90  | 31.75  | 1.50  | 7.616  | 5278 | 200.00 | 35.00  | 5.00  | 18.842 |
| 5222 | 96.00  | 64.00  | 2.00  | 16.580 | 5569 | 200.00 | 80.00  | 3.00  | 43.179 |
| 5267 | 97.40  | 51.50  | 16.00 | 12.950 | 5261 | 205.00 | 85.00  | 1.50  | 47.042 |
| 5212 | 100.00 | 10.00  | 2.00  | 2.691  | 5295 | 206.00 | 56.00  | 3.00  | 31.126 |
| 5210 | 100.00 | 12.00  | 6.00  | 3.157  | 5220 | 212.00 | 6.40   | 2.00  | 3.654  |
| 5218 | 100.00 | 20.00  | 3.00  | 5.379  | 5275 | 215.00 | 38.00  | 3.00  | 22.038 |
| 5540 | 101.60 | 6.35   | -     | 1.719  | 5294 | 216.00 | 25.40  | 3.00  | 14.792 |
| 5537 | 101.60 | 6.35   | 2.00  | 1.733  | 5584 | 220.00 | 75.00  | 2.00  | 44.541 |
| 5573 | 101.60 | 6.35   | 3.17  | 1.719  | 5583 | 220.00 | 95.00  | 2.00  | 56.421 |
| 5555 | 101.60 | 9.52   | 2.00  | 2.602  | 5281 | 225.00 | 66.00  | 5.00  | 39.429 |
| 5230 | 101.60 | 50.80  | 2.00  | 13.926 | 5227 | 233.00 | 17.50  | 2.00  | 11.000 |
| WB02 | 101.60 | 101.60 | 12.70 | 27.497 | 5289 | 235.00 | 16.00  | 1.50  | 10.147 |
| 5591 | 102.00 | 4.50   | 2.00  | 1.230  | 5271 | 235.00 | 115.00 | 3.00  | 72.947 |
| 5251 | 105.00 | 8.00   | 3.00  | 2.247  | 5269 | 235.00 | 130.00 | 2.00  | 82.476 |
|      |        |        |       |        | 5221 | 235.00 | 155.00 | 8.00  | 98.199 |
|      |        |        |       |        | 5292 | 242.00 | 60.00  | 3.00  | 39.183 |
|      |        |        |       |        | 5273 | 244.00 | 38.00  | 2.00  | 25.025 |
|      |        |        |       |        | 5309 | 245.00 | 65.00  | 5.00  | 42.939 |
|      |        |        |       |        | 5308 | 245.00 | 115.00 | 5.00  | 76.014 |
|      |        |        |       |        | 5293 | 246.00 | 63.00  | 3.00  | 41.824 |
|      |        |        |       |        | 5283 | 250.00 | 41.00  | 5.00  | 27.617 |

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## FLATS WITH CORNER RADIUS



| Sec  | A      | B      | R    | Kg/m   |
|------|--------|--------|------|--------|
| 5296 | 250.00 | 70.00  | 3.00 | 47.229 |
| 5300 | 255.00 | 25.00  | 3.00 | 17.192 |
| 5241 | 255.00 | 125.00 | 5.00 | 86.004 |
| 5259 | 256.00 | 4.82   | 2.00 | 3.322  |
| 5276 | 256.00 | 5.00   | 2.00 | 3.447  |
| 5260 | 256.00 | 9.52   | 2.00 | 6.571  |
| 5277 | 256.00 | 10.00  | 2.00 | 6.903  |
| 5301 | 260.00 | 19.00  | 2.00 | 13.329 |
| 5286 | 260.00 | 23.00  | 3.00 | 16.125 |
| 5249 | 270.00 | 65.00  | 1.00 | 47.383 |
| 5285 | 272.20 | 42.20  | 3.00 | 30.994 |
| 5282 | 290.00 | 29.00  | 3.00 | 22.686 |
| 5297 | 295.00 | 75.00  | 5.00 | 59.679 |
| 5302 | 300.00 | 25.00  | 3.00 | 20.229 |
| 5303 | 300.00 | 28.00  | 3.00 | 22.659 |
| 5229 | 300.00 | 40.00  | 3.00 | 32.379 |
| 5304 | 300.00 | 63.00  | 5.00 | 50.972 |
| 5313 | 305.00 | 20.71  | 3.00 | 17.034 |
| 5266 | 305.00 | 23.00  | 1.50 | 18.920 |
| 5307 | 305.00 | 32.00  | 3.00 | 26.331 |
| 5556 | 306.40 | 25.40  | 1.50 | 21.008 |
| 5305 | 310.00 | 50.00  | 5.00 | 41.792 |
| 5233 | 315.00 | 50.00  | 4.00 | 42.488 |
| 5234 | 315.00 | 65.00  | 4.00 | 55.245 |
| 5239 | 330.00 | 8.00   | 2.00 | 7.119  |



| Sec  | A     | Kg/m  |
|------|-------|-------|
| H005 | 5.00  | 0.058 |
| H029 | 6.35  | 0.094 |
| H006 | 7.00  | 0.115 |
| H022 | 8.00  | 0.150 |
| H001 | 9.52  | 0.212 |
| H007 | 10.00 | 0.234 |
| H031 | 11.00 | 0.283 |
| H002 | 12.70 | 0.377 |
| H026 | 13.00 | 0.395 |
| H032 | 14.00 | 0.458 |
| H003 | 15.88 | 0.589 |
| H018 | 17.00 | 0.676 |
| H010 | 18.00 | 0.758 |
| H004 | 19.05 | 0.849 |
| H011 | 21.00 | 1.031 |
| H009 | 22.00 | 1.132 |
| H033 | 22.00 | 1.132 |
| H019 | 22.22 | 1.154 |
| H020 | 24.00 | 1.347 |
| H025 | 25.40 | 1.509 |
| H012 | 26.00 | 1.582 |
| H008 | 27.00 | 1.704 |
| H013 | 28.00 | 1.833 |
| H030 | 28.50 | 1.899 |
| H015 | 30.00 | 2.105 |
| H016 | 31.75 | 2.357 |
| H017 | 32.00 | 2.394 |
| H014 | 33.00 | 2.547 |
| H023 | 36.00 | 3.030 |
| H036 | 38.10 | 3.394 |
| H024 | 41.00 | 3.930 |
| H027 | 41.26 | 3.977 |
| H034 | 47.00 | 5.165 |
| H035 | 50.00 | 5.846 |
| H021 | 55.00 | 7.073 |
| H028 | 63.50 | 9.428 |

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## SQUARE BARS

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#### Standard Manufacturing Tolerances

The Standard manufacturing tolerance given here are applicable to the average shape. Wider tolerance may be required for some shapes, and closer tolerances may be possible for others. For 5052, 5056, 5083, 5086 and other high magnesium alloys, special (wider) tolerances will be applicable.

Tolerances stricter than standard shall be subjected to special enquiry.

**TABLE:6**  
**Round Bars/Rods : Diameter Tolerance**

| Specified Diameter<br>mm |           | Tolerance (mm) |         |      |
|--------------------------|-----------|----------------|---------|------|
|                          |           | Class A        | Class B |      |
|                          |           | +              | -       | ±    |
|                          | Upto 12.0 | 0.03           | 0.07    | 0.20 |
| Over 12.0                | Upto 25.0 | 0.05           | 0.10    | 0.25 |
| Over 25.0                | Upto 40.0 | 0.07           | 0.13    | 0.30 |
| Over 40.0                | Upto 50.0 | 0.13           | 0.13    | 0.38 |
| Over 50.0                | Upto 56.0 | 0.15           | 0.15    | 0.46 |
| Over 56.0                | Upto 71.0 | 0.20           | 0.20    | 0.53 |
| Over 71.0                | Upto 80.0 | 0.25           | 0.25    | 0.61 |
| Over 80.0                |           | 0.5%           | 0.5%    | 1%   |

Notes:

1. Class 'A' is for drawn rods.
2. Class 'B' is normal tolerance for extruded rods.

**TABLE:7**  
**Solid Sections : Width Tolerance (at closed ends)**

| Specified width or<br>Width across flats mm | Tolerance mm ± | Specified width or<br>Width across flats mm | Tolerance mm ± |
|---------------------------------------------|----------------|---------------------------------------------|----------------|
| 4                                           | 0.18           | 40                                          | 0.46           |
| 5                                           | 0.20           | 50                                          | 0.46           |
| 6                                           | 0.20           | 60                                          | 0.53           |
| 8                                           | 0.23           | 80                                          | 0.69           |
| 10                                          | 0.23           | 100                                         | 0.69           |
| 12                                          | 0.25           | 120                                         | 0.76           |
| 16                                          | 0.28           | 160                                         | 1.02           |
| 20                                          | 0.30           | 200                                         | 1.14           |
| 25                                          | 0.30           | 250                                         | 1.40           |
| 32                                          | 0.38           |                                             |                |

Notes:

1. For intermediate size, take tolerance for the next higher value.
2. Width tolerances on open ends of Solid Sections such as Channels, I-Beams, etc. are given separately in Table-8

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