

## WEIGHTS OF STAINLESS STEEL BARS

| Size mm | Round Kg./M | Square Kg/M | Hexagon Kg/M | Size mm | Round Kg./M | Square Kg/M | Hexagon Kg/M | Size mm | Round Kg./M | Square Kg/M | Hexagon Kg/M |
|---------|-------------|-------------|--------------|---------|-------------|-------------|--------------|---------|-------------|-------------|--------------|
| 8       | 0.395       | 0.502       | ---          | 56      | 19.335      | 24.618      | 21.319       | 135     | 112.364     | 143.066     | 123.899      |
| 9       | 0.499       | 0.636       | ---          | 60      | 22.195      | 28.26       | 24.474       | 140     | 120.841     | 153.86      | 133.247      |
| 10      | 0.617       | 0.785       | ---          | 65      | ---         | 33.166      | 28.723       | 145     | 129.627     | 185.046     | 142.934      |
| 12      | 0.888       | 1.13        | 1.149        | 70      | 30.21       | 38.456      | 33.312       | 150     | 138.721     | 176.625     | 152.962      |
| 15      | 1.387       | 1.766       | 1.74         | 75      | ---         | 44.156      | 38.24        | 160     | 157.833     | 200.96      | 174.036      |
| 20      | 2.466       | 3.14        | 2.998        | 80      | 39.458      | 50.24       | 43.509       | 170     | 178.179     | 228.865     | 196.471      |
| 25      | 3.853       | 4.906       | 4.249        | 85      | 44.545      | 56.71       | 61.355       | 175     | 188.814     | 240.406     | 208.198      |
| 30      | 5.549       | 7.065       | 6.118        | 90      | 49.939      | 70.845      | 61.355       | 180     | 198.757     | 254.34      | 220.265      |
| 30      | 5.925       | 7.544       | 6.533        | 95      | 249         | 55.936      | --           | 200     | 246.614     | 314         | 271.932      |
| 32      | 6.313       | 8.038       | 6.961        | 100     | 61.654      | 78.5        | 67.983       | 210     | 271.893     | 346.185     | 299.805      |
| 35      | 7.553       | 5.075       | 8.328        | 105     | 67.973      | 86.46       | 74.951       | 220     | 299.403     | 337.34      | 329.038      |
| 38      | 8.903       | 11.335      | 9.817        | 110     | 71.601      | 94.985      | 81.259       | 250     | 385.356     | 490.625     | 424.894      |
| 40      | 9.86        | 12.65       | 10.877       | 115     | 81.537      | 103.816     | 89.907       | 280     | 483.365     | 615.44      | 532.986      |
| 45      | 12.485      | ---         | 13.767       | 120     | 88.781      | 113.04      | 97.895       | 285     | 500.782     | 657.616     | 552.192      |
| 50      | 15.413      | 19.625      | 16.996       | 125     | 96.337      | 112.656     | 406.223      | 290     | 518.508     | 660.185     | 571.737      |
| 55      | 18.65       | ---         | ---          | 130     | 104.195     | 132.665     | 114.891      | 295     | 536.541     | 661.146     | 591.622      |

### TABLE WEIGHT FOR – S.S.

- PIPE** - O.D. (mm) – W.T. (mm) x 0.0248 = Kg P.Mtr.  
**BARS** - Dia (mm) x Dia (mm) x 0.0062 Kg (Per Mtr)  
**SHEETS** - Lenth (mtr) x Width (Mtr) x Thick (mm) x 8 = Kg.P.Sheet  
**CIRCLE** - Dia (mm) x Dia (mm) x Thick: 160 = Gm's (P.Circle)  
**HEXAGONAL BAR** - Dia (mm) x Dia (mm) x 0.00679 = Kg (per mtr)
- The Weight for Other Metals are obtained by multiplication  
 Of the weight of S.S. with the following factors.  
**ALUMINIUM – 0.35, COPER – 1.14, BRASS – 1.09, MONEL & NICKEL – 1.13**

### EQUIVALENT TABLE FOR VARIOUS SPECIFICATIONS

| USA AISI No. | GERMANY DN | INDIA IS       | BRITAIN BS | JAPAN JIS | SWEDAN SIS | FRANCE AFNOR | ITALY UNI     | CHINA G8     | UKS DESIGNATION |
|--------------|------------|----------------|------------|-----------|------------|--------------|---------------|--------------|-----------------|
| 304          | 1.4301     | X04Cr19Ni9     | 304S15     | SUS304    | 14 23 23   | Z6CN18.09    | X5CrNi18 10   | 0Cr19Ni9     | S30400          |
| 304L         | 1.4306     | X02Cr19Ni10    | 304S11     | SUS304L   | 14 23 52   | Z2CN18.10    | X2CrNi18 11   | 0Cr19Ni11    | S30403          |
| 310          | 1.4845     | X20Cr25Ni20    | 310S24     | SUS310S   | 14 23 61   | Z12CN25.20   | X22CrNi25 20  | 0Cr25Ni20    | S31008          |
| 316          | 1.4401     | X04Cr17Ni12Mo2 | 316S31     | SUS316    | 14 23 47   | Z6CND17.11   | XBCrNiMo17 12 | 0Cr17Ni12Mo2 | S31600          |
| 316L         | 1.4404     | X02Cr17Ni12Mo2 | 316S11     | SUS316L   | 14 23 48   | Z2CND17.12   | X2CrNiMo17 12 | 0Cr17Ni14Mo2 | S31603          |
| 321          | 1.4541     | X04Cr18Ni10T   | 321S31     | SUS321    | 14 23 37   | Z6CNT18.12   | X6CrNi18 11   | 0Cr18Ni9Ti   | S32100          |