

## WIDE FLANGE & "H" BEAMS

| Section Size<br>and Weight (lb/ft)<br>per foot | Flt. For<br>40° Beams | Depth of<br>Section in<br>Inches | Flange in Inches |               |               | Web<br>Thickness<br>inches | Section Size<br>and Weight (lb/ft)<br>per foot | Flt. For 40°<br>Beams | Depth of<br>Section in<br>Inches | Flange in Inches |               |               | Web<br>Thickness<br>inches | Area in<br>Sq. Inches |
|--|-----------------------|----------------------------------|------------------|---------------|---------------|----------------------------|--|-----------------------|----------------------------------|------------------|---------------|---------------|----------------------------|-----------------------|
|  |                       |                                  | "T"<br>Flange    | "T"<br>Flange | "T"<br>Flange |                            |  |                       |                                  | "T"<br>Flange    | "T"<br>Flange | "T"<br>Flange |                            |                       |
| 4 x 13   | 10                    | 4.50                             | 4.06             | 4.53          | 0.280         | 1.83                       | 50 x 26  | 1040                  | 11.690                           | 5.500            | 0.345         | 0.250         | 7.68                       |                       |
| 5 x 16   | 14.0                  | 5.010                            | 3.900            | 0.360         | 0.240         | 4.71                       | 31   | 1400                  | 14.880                           | 5.525            | 0.440         | 0.275         | 9.12                       |                       |
| 6 x 19   | 17.0                  | 5.150                            | 3.940            | 0.320         | 0.270         | 5.16                       | 36   | 1440                  | 16.860                           | 6.015            | 0.440         | 0.290         | 10.40                      |                       |
| 8 x 24   | 22.0                  | 5.900                            | 3.940            | 0.315         | 0.170         | 2.68                       | 40   | 1600                  | 16.015                           | 6.995            | 0.500         | 0.305         | 11.80                      |                       |
| 12 x 40  | 6.020                 | 6.000                            | 4.000            | 0.280         | 0.240         | 5.15                       | 41   | 1800                  | 16.100                           | 7.025            | 0.565         | 0.345         | 13.30                      |                       |
| 15 x 50  | 5.990                 | 5.990                            | 4.200            | 0.230         | 0.44          | 5.00                       | 20   | 2000                  | 16.260                           | 7.070            | 0.630         | 0.380         | 14.70                      |                       |
| 16 x 60  | 6.280                 | 6.280                            | 4.030            | 0.265         | 0.260         | 4.24                       | 57   | 2280                  | 16.430                           | 7.120            | 0.715         | 0.430         | 16.80                      |                       |
| 18 x 80  | 6.200                 | 6.200                            | 4.000            | 0.260         | 0.240         | 4.71                       | 67   | 2460                  | 16.510                           | 10.215           | 0.665         | 0.390         | 17.90                      |                       |
| 25 x 100                                       | 6.380                 | 6.080                            | 4.045            | 0.255         | 0.320         | 3.84                       | 77   | 3060                  | 16.520                           | 10.395           | 0.760         | 0.455         | 22.60                      |                       |
| 30 x 120                                       | 7.890                 | 7.890                            | 4.000            | 0.240         | 0.240         | 4.87                       | 86   | 3600                  | 16.530                           | 10.610           | 0.875         | 0.525         | 26.30                      |                       |
| 36 x 150                                       | 7.990                 | 4.000                            | 0.255            | 0.230         | 0.34          | 5.00                       | 100  | 4000                  | 16.570                           | 10.425           | 0.985         | 0.585         | 29.40                      |                       |
| 40 x 180                                       | 8.110                 | 4.015                            | 0.315            | 0.245         | 0.44          | 5.00                       | 110  | 4400                  | 17.700                           | 6.000            | 0.425         | 0.300         | 10.50                      |                       |
| 44 x 200                                       | 8.840                 | 4.520                            | 0.320            | 0.270         | 0.56          | 5.00                       | 120  | 4800                  | 17.900                           | 6.015            | 0.525         | 0.315         | 11.80                      |                       |
| 21 x 80  | 8.280                 | 3.270                            | 0.240            | 0.250         | 0.36          | 4.16                       | 46   | 1880                  | 16.000                           | 6.060            | 0.605         | 0.360         | 13.50                      |                       |
| 24 x 90  | 7.910                 | 3.270                            | 0.240            | 0.240         | 0.47          | 4.16                       | 50   | 2000                  | 17.990                           | 7.095            | 0.630         | 0.365         | 14.90                      |                       |
| 28 x 110                                       | 8.060                 | 3.385                            | 0.465            | 0.285         | 0.25          | 5.20                       | 22   | 2200                  | 18.110                           | 7.530            | 0.630         | 0.380         | 16.20                      |                       |
| 31 x 120                                       | 8.000                 | 7.995                            | 0.435            | 0.285         | 0.33          | 6.00                       | 24   | 2400                  | 18.240                           | 7.555            | 0.695         | 0.415         | 17.60                      |                       |
| 36 x 140                                       | 8.120                 | 8.120                            | 0.420            | 0.310         | 0.33          | 6.00                       | 33   | 2600                  | 18.300                           | 7.560            | 0.760         | 0.460         | 19.00                      |                       |
| 40 x 160                                       | 8.250                 | 8.070                            | 0.560            | 0.360         | 0.33          | 7.10                       | 31   | 2880                  | 18.470                           | 7.615            | 0.810         | 0.495         | 20.80                      |                       |
| 45 x 180                                       | 8.500                 | 8.110                            | 0.465            | 0.360         | 0.43          | 8.00                       | 35   | 3120                  | 18.520                           | 10.315           | 0.640         | 0.425         | 21.50                      |                       |
| 58 x 230                                       | 8.750                 | 8.220                            | 0.810            | 0.510         | 0.33          | 7.30                       | 86   | 3440                  | 18.390                           | 11.090           | 0.770         | 0.490         | 25.30                      |                       |
| 67 x 260                                       | 9.020                 | 8.380                            | 0.915            | 0.570         | 0.33          | 7.90                       | 91   | 3680                  | 18.390                           | 11.145           | 0.870         | 0.535         | 28.30                      |                       |
| 76 x 290                                       | 9.470                 | 9.360                            | 0.920            | 0.590         | 0.34          | 8.50                       | 76   | 4200                  | 18.720                           | 11.200           | 0.940         | 0.590         | 31.10                      |                       |
| 15 x 60  | 5.990                 | 4.000                            | 0.270            | 0.230         | 0.41          | 4.41                       | 119  | 4760                  | 18.970                           | 11.265           | 1.050         | 0.655         | 35.10                      |                       |
| 17 x 68  | 4.010                 | 0.320                            | 0.240            | 0.99          | 4.41          | 44                         | 2700   | 20.060                | 6.500                            | 0.650            | 0.300         | 13.00         |                            |                       |
| 19 x 76  | 10.340                | 4.000                            | 0.395            | 0.250         | 0.62          | 5.00                       | 200  | 20.830                | 6.530                            | 0.535            | 0.380         | 14.70         |                            |                       |
| 22 x 80  | 10.170                | 5.780                            | 0.360            | 0.240         | 0.69          | 57                         | 2280   | 21.060                | 6.555                            | 0.650            | 0.400         | 16.70         |                            |                       |
| 25 x 90  | 10.310                | 5.770                            | 0.440            | 0.240         | 0.61          | 62                         | 2480   | 20.990                | 8.240                            | 0.615            | 0.460         | 18.00         |                            |                       |
| 30 x 120                                       | 10.470                | 5.810                            | 0.510            | 0.300         | 0.84          | 68                         | 2720   | 21.130                | 8.270                            | 0.685            | 0.440         | 20.00         |                            |                       |
| 33 x 130                                       | 9.710                 | 5.760                            | 0.430            | 0.240         | 0.71          | 73                         | 2920   | 21.240                | 8.295                            | 0.740            | 0.465         | 21.50         |                            |                       |
| 39 x 160                                       | 9.830                 | 7.985                            | 0.330            | 0.315         | 1.10          | 83                         | 3320   | 21.430                | 8.355                            | 0.835            | 0.515         | 24.20         |                            |                       |
| 45 x 180                                       | 10.310                | 8.020                            | 0.620            | 0.315         | 1.10          | 91                         | 3720   | 21.620                | 8.430                            | 0.930            | 0.580         | 27.30         |                            |                       |
| 50 x 190                                       | 9.960                 | 8.010                            | 0.560            | 0.340         | 1.40          | 101                        | 4020   | 21.360                | 12.290                           | 0.800            | 0.500         | 29.80         |                            |                       |
| 54 x 210                                       | 10.090                | 10.090                           | 0.615            | 0.370         | 1.80          | 111                        | 4440   | 21.510                | 12.340                           | 0.875            | 0.530         | 32.70         |                            |                       |
| 60 x 230                                       | 10.400                | 10.400                           | 0.600            | 0.420         | 1.60          | 122                        | 4880   | 21.625                | 12.375                           | 0.938            | 0.625         | 36.30         |                            |                       |
| 68 x 270                                       | 10.400                | 10.320                           | 0.770            | 0.470         | 2.00          | 132                        | 5280   | 21.875                | 12.500                           | 1.030            | 0.625         | 38.80         |                            |                       |
| 77 x 300                                       | 10.600                | 10.180                           | 0.870            | 0.530         | 2.20          | 147                        | 5880   | 21.900                | 12.520                           | 1.115            | 0.710         | 43.30         |                            |                       |
| 87 x 340                                       | 10.840                | 10.265                           | 0.990            | 0.605         | 2.50          | 160                        | 6480   | 22.000                | 12.585                           | 1.205            | 0.805         | 48.80         |                            |                       |
| 100 x 400                                      | 11.100                | 10.340                           | 1.120            | 0.680         | 2.90          | 182                        | 7480   | 22.140                | 12.640                           | 1.300            | 0.840         | 54.20         |                            |                       |
| 112 x 440                                      | 11.375                | 10.500                           | 1.250            | 0.750         | 3.40          | 68                         | 2720   | 21.970                | 8.865                            | 1.365            | 0.815         | 20.00         |                            |                       |
| 12 x 16  | 15.50                 | 11.930                           | 1.970            | 0.225         | 0.200         | 4.38                       | 76   | 3040                  | 21.920                           | 8.990            | 0.640         | 0.440         | 22.40                      |                       |
| 16 x 40  | 11.800                | 1.890                            | 0.295            | 0.220         | 4.71          | 84                         | 3360   | 24.280                | 9.820                            | 0.710            | 0.470         | 24.70         |                            |                       |
| 18 x 50  | 11.160                | 4.005                            | 0.235            | 5.17          | 94            | 3760                       | 24.110   | 9.065                 | 0.875                            | 0.515            | 27.10         |               |                            |                       |
| 22 x 80  | 12.310                | 4.280                            | 0.425            | 0.260         | 6.48          | 104                        | 4160   | 24.260                | 12.750                           | 0.750            | 0.530         | 30.00         |                            |                       |
| 25 x 90  | 12.320                | 4.490                            | 0.480            | 0.260         | 6.65          | 117                        | 4680   | 24.360                | 13.060                           | 0.820            | 0.545         | 32.40         |                            |                       |
| 30 x 120                                       | 12.340                | 6.520                            | 0.440            | 0.290         | 8.79          | 131                        | 5240   | 24.500                | 12.875                           | 0.938            | 0.625         | 36.80         |                            |                       |
| 36 x 140                                       | 12.560                | 6.520                            | 0.520            | 0.340         | 10.00         | 145                        | 5840   | 24.790                | 12.875                           | 1.065            | 0.675         | 41.00         |                            |                       |
| 40 x 160                                       | 11.940                | 8.005                            | 0.515            | 0.295         | 11.80         | 162                        | 6480   | 24.500                | 13.000                           | 1.150            | 0.688         | 47.20         |                            |                       |
| 48 x 180                                       | 12.060                | 6.040                            | 0.575            | 0.335         | 15.20         | 184                        | 7460   | 26.710                | 9.960                            | 0.640            | 0.440         | 24.80         |                            |                       |
| 50 x 190                                       | 12.080                | 6.060                            | 0.640            | 0.340         | 16.00         | 194                        | 8080   | 27.990                | 10.015                           | 0.830            | 0.510         | 26.00         |                            |                       |
| 55 x 210                                       | 12.060                | 5.995                            | 0.575            | 0.345         | 15.00         | 202                        | 8680   | 27.990                | 10.015                           | 0.830            | 0.510         | 26.00         |                            |                       |
| 62 x 230                                       | 12.100                | 10.020                           | 0.580            | 0.340         | 16.00         | 220                        | 9480   | 27.790                | 10.070                           | 0.950            | 0.570         | 31.50         |                            |                       |
| 65 x 260                                       | 12.130                | 12.000                           | 0.605            | 0.390         | 19.00         | 245                        | 10480  | 27.380                | 11.965                           | 0.975            | 0.605         | 42.90         |                            |                       |
| 72 x 280                                       | 12.210                | 12.040                           | 0.670            | 0.400         | 21.10         | 261                        | 11440  | 27.625                | 14.000                           | 1.063            | 0.680         | 47.40         |                            |                       |
| 80 x 320                                       | 12.380                | 11.880                           | 0.740            | 0.415         | 23.10         | 278                        | 12520  | 27.970                | 14.120                           | 1.150            | 0.730         | 52.00         |                            |                       |
| 87 x 340                                       | 12.510                | 12.125                           | 0.810            | 0.515         | 25.60         | 301                        | 13760  | 28.160                | 14.210                           | 1.240            | 0.780         | 57.50         |                            |                       |
| 96 x 380                                       | 12.610                | 12.160                           | 0.870            | 0.520         | 27.60         | 324                        | 15040  | 28.320                | 14.270                           | 1.330            | 0.830         | 63.00         |                            |                       |
| 106 x 440                                      | 12.890                | 12.220                           | 0.990            | 0.610         | 31.20         | 356                        | 16440  | 30.010                | 15.000                           | 1.465            | 0.965         | 74.20         |                            |                       |
| 120 x 480                                      | 13.125                | 12.375                           | 1.125            | 0.680         | 35.30         | 394                        | 18040  | 30.170                | 15.015                           | 1.590            | 1.085         | 86.50         |                            |                       |
| 132 x 540                                      | 13.540                | 12.560                           | 1.315            | 0.760         | 39.40         | 438                        | 20000  | 30.340                | 15.045                           | 1.740            | 1.215         | 100.00        |                            |                       |
| 26 x 104                                       | 13.930                | 5.025                            | 0.420            | 0.255         | 7.69          | 173                        | 6920   | 30.500                | 15.000                           | 1.063            | 0.625         | 36.80         |                            |                       |
| 30 x 120                                       | 13.840                | 5.790                            | 0.370            | 0.260         | 8.48          | 182                        | 7520   | 30.570                | 15.000                           | 1.188            | 0.680         | 40.10         |                            |                       |
| 34 x 130                                       | 13.980                | 6.470                            | 0.455            | 0.285         | 10.10         | 194                        | 8200   | 30.860                | 14.640                           | 1.270            | 0.740         | 43.50         |                            |                       |
| 38 x 150                                       | 14.620                | 6.770                            | 0.510            | 0.310         | 11.20         | 210                        | 9000   | 30.890                | 13.310                           | 0.815            | 0.380         | 38.30         |                            |                       |
| 42 x 170                                       | 14.660                | 7.995                            | 0.530            | 0.330         | 12.60         | 221                        | 9640   | 30.890                | 13.315                           | 0.960            | 0.460         | 44.00         |                            |                       |
| 48 x 190                                       | 13.790                | 8.030                            | 0.595            | 0.340         | 14.30         | 252                        | 10680  | 31.490                | 13.565                           | 1.055            | 0.515         | 44.70         |                            |                       |
| 55 x 210                                       | 13.930                | 8.060                            | 0.660            | 0.370         | 14.50         | 266                        | 11400  | 31.660                | 13.570                           | 1.150            | 0.715         | 51.10         |                            |                       |
| 61 x 240                                       | 13.890                | 8.995                            | 0.645            | 0.375         | 19.70         | 281                        | 12400  | 31.930                | 15.805                           | 1.275            | 0.775         | 60.00         |                            |                       |
| 68 x 270                                       | 14.040                | 10.035                           | 0.720            | 0.415         | 20.00         | 301                        | 13600  | 34.180                | 15.660                           | 1.400            | 0.830         | 70.50         |                            |                       |
| 75 x 290                                       | 14.170                | 10.070                           | 0.780            | 0.450         | 21.80         | 318                        | 14920  | 35.550                | 15.650                           | 1.500            | 0.900         | 79.70         |                            |                       |
| 82 x 320                                       | 14.310                | 10.130                           | 0.850            | 0.510         | 24.10         | 340                        | 16400  | 35.850                | 15.975                           | 1.640            | 0.925         | 85.20         |                            |                       |
| 92 x 360                                       | 14.030                | 11.520                           | 0.770            | 0.480         | 26.00         | 368                        | 18000  | 36.420                | 16.000                           | 1.730            | 1.000         | 97.00         |                            |                       |
| 99 x 390                                       | 14.140                | 14.565                           | 0.780            | 0.485         | 29.10         | 377                        | 19800  | 36.170                | 12.030                           | 1.100            | 0.780         | 50.00         |                            |                       |
| 109 x 480                                      | 14.320                | 14.400                           | 0.860            | 0.525         | 32.00         | 382                        | 20800  | 36.380                | 12.075                           | 1.180            | 0.720         | 50.00         |                            |                       |
| 120 x 490                                      | 14.480                | 14.420                           | 0.940            | 0.590         | 34.30         | 394                        | 22400  | 36.490                | 11.310                           | 1.260            | 0.760         | 54.00         |                            |                       |
| 132 x 580                                      | 14.625                | 14.750                           | 1.000            | 0.625         | 38.80         | 410                        | 24400  | 36.690                | 12.180                           | 1.360            | 0.830         | 61.80         |                            |                       |
| 145 x 660                                      | 14.750                | 15.500                           | 1.080            | 0.688         | 42.70         | 430                        | 26800  | 36.960                | 16.470                           | 1.260            | 0.760         | 67.60         |                            |                       |
| 16 x 20  | 10.40                 | 15.990                           | 5.500            | 0.345         | 0.250         | 7.68                       |  |                       |                                  |                  |               |               |                            |                       |
| 18 x 24  | 15.880                | 5.525                            |                  |               |               |                            |  |                       |                                  |                  |               |               |                            |                       |