

Stud Section Properties

Table Notes

- 1 Inside bend radius values are shown in the General Notes.
- 2 Gross section properties are based on the full-unreduced cross section of the stud sections, away from the punchouts.
- 3 The factored moment resistance for design is based on the lesser of local and distortional buckling. Distortional buckling is based on an assumed rotational stiffness of $K_{\phi} = 0$.

| Stud Designation | Lip (mm) | Base Design Thickness (mm) | F _y (MPa) | GROSS | | | | | | | | PERFORATED EFFECTIVE | | | | | | TORSIONAL | | | | | | | |
|------------------|----------|----------------------------|----------------------|-------------|--------------------------------|--|---------------------|--|---------------------|----------------------|---|---|--------------------------|--------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|---------------------|--------|---------------------|-------|---------------------|
| | | | | Mass (Kg/m) | Area (E+03) (mm ²) | I _x (E+06) (mm ⁴) | r _x (mm) | I _y (E+06) (mm ⁴) | r _y (mm) | V _{rg} (kN) | I _{xd} (E+06) (mm ⁴) | S _{xe} (E+03) (mm ³) | M _{rxLB} (kN-m) | M _{rxDB} (kN-m) | V _m (kN) | M _{ryLB web comp.} (kN-m) | M _{ryLB lip comp.} (kN-m) | M _{ryDB lip comp.} (kN-m) | J (mm ⁴) | C _w (E+06) (mm ⁶) | x _o (mm) | m (mm) | r _o (mm) | β | L _u (mm) |
| 162S125-18 | 4.78 | 0.478 | 230 | 0.406 | 0.0517 | 0.0157 | 17.4 | 0.00666 | 11.4 | 1.72 | 0.0137 | 0.503 | 0.103 | 0.0977 | 0.565 | 0.0591 | 0.0601 | 0.0501 | 3.93 | 2.47 | 26.1 | 15.1 | 33.4 | 0.388 | 737 |
| 162S125-33 | 4.78 | 0.879 | 230 | 0.737 | 0.0937 | 0.0279 | 17.2 | 0.0117 | 11.2 | 3.42 | 0.0275 | 1.13 | 0.232 | 0.216 | 0.596 | 0.105 | 0.105 | 0.112 | 24.1 | 4.21 | 25.7 | 14.8 | 32.9 | 0.391 | 742 |
| 250S125-18 | 4.78 | 0.478 | 230 | 0.490 | 0.0623 | 0.0413 | 25.8 | 0.00774 | 11.2 | 1.46 | 0.0366 | 0.973 | 0.199 | 0.156 | 1.11 | 0.0608 | 0.0675 | 0.0516 | 4.74 | 6.27 | 23.0 | 13.8 | 36.2 | 0.599 | 734 |
| 250S125-33 | 4.78 | 0.879 | 230 | 0.890 | 0.113 | 0.0740 | 25.6 | 0.0136 | 10.9 | 5.55 | 0.0728 | 2.05 | 0.421 | 0.357 | 2.27 | 0.116 | 0.118 | 0.116 | 29.2 | 10.8 | 22.5 | 13.5 | 35.8 | 0.605 | 732 |
| 250S125-43 | 4.78 | 1.146 | 230 | 1.15 | 0.146 | 0.0948 | 25.5 | 0.0172 | 10.8 | 7.21 | 0.0938 | 2.89 | 0.592 | 0.507 | 2.25 | 0.149 | 0.149 | 0.158 | 64.1 | 13.5 | 22.2 | 13.3 | 35.5 | 0.608 | 732 |
| 362S125-18 | 4.78 | 0.478 | 230 | 0.597 | 0.0760 | 0.0973 | 35.8 | 0.00870 | 10.7 | 0.983 | 0.0873 | 1.22 | 0.251 | 0.234 | 0.930 | 0.0610 | 0.0694 | 0.0537 | 5.77 | 14.5 | 20.0 | 12.4 | 42.3 | 0.778 | 732 |
| 362S125-33 | 4.78 | 0.879 | 230 | 1.09 | 0.138 | 0.175 | 35.6 | 0.0152 | 10.5 | 5.82 | 0.172 | 2.98 | 0.610 | 0.552 | 2.97 | 0.117 | 0.122 | 0.122 | 35.6 | 25.2 | 19.5 | 12.2 | 41.9 | 0.783 | 724 |
| 362S125-43 | 4.78 | 1.146 | 230 | 1.41 | 0.179 | 0.225 | 35.4 | 0.0193 | 10.4 | 9.89 | 0.223 | 4.40 | 0.901 | 0.797 | 3.84 | 0.152 | 0.154 | 0.165 | 78.4 | 31.6 | 19.3 | 12.0 | 41.6 | 0.786 | 721 |
| 362S125-54 | 4.78 | 1.438 | 345 | 1.74 | 0.222 | 0.275 | 35.2 | 0.0230 | 10.2 | 19.2 | 0.273 | 5.26 | 1.63 | 1.41 | 5.78 | 0.275 | 0.277 | 0.297 | 153 | 38.1 | 18.9 | 11.8 | 41.2 | 0.790 | 579 |
| 362S162-33 | 12.7 | 0.879 | 230 | 1.33 | 0.169 | 0.229 | 36.8 | 0.0413 | 15.6 | 5.82 | 0.229 | 4.39 | 0.898 | 0.880 | 2.97 | 0.269 | 0.286 | 0.298 | 43.5 | 79.7 | 33.2 | 20.0 | 52.0 | 0.592 | 1082 |
| 362S162-43 | 12.7 | 1.146 | 230 | 1.72 | 0.219 | 0.296 | 36.7 | 0.0528 | 15.5 | 9.89 | 0.296 | 6.10 | 1.25 | 1.23 | 3.84 | 0.354 | 0.365 | 0.391 | 95.9 | 101 | 32.9 | 19.9 | 51.7 | 0.594 | 1080 |
| 362S162-54 | 12.7 | 1.438 | 345 | 2.14 | 0.272 | 0.363 | 36.5 | 0.0642 | 15.3 | 19.2 | 0.363 | 7.26 | 2.25 | 2.18 | 5.78 | 0.653 | 0.671 | 0.720 | 188 | 123 | 32.6 | 19.7 | 51.3 | 0.597 | 874 |
| 362S162-68 | 12.7 | 1.811 | 345 | 2.65 | 0.338 | 0.445 | 36.3 | 0.0774 | 15.1 | 24.9 | 0.445 | 9.41 | 2.92 | 2.87 | 5.72 | 0.804 | 0.806 | 0.867 | 369 | 148 | 32.1 | 19.4 | 50.8 | 0.600 | 874 |
| 362S162-97 | 12.7 | 2.583 | 345 | 3.67 | 0.467 | 0.597 | 35.8 | 0.100 | 14.7 | 33.8 | 0.597 | 12.7 | 4.68* | 4.68 | 4.98 | 1.04 | 1.04 | 1.12 | 1039 | 194 | 31.1 | 18.9 | 49.6 | 0.606 | 800 |
| 362S200-33 | 15.9 | 0.879 | 230 | 1.50 | 0.191 | 0.270 | 37.5 | 0.0736 | 19.6 | 5.82 | 0.265 | 4.82 | 0.986 | 1.01 | 2.97 | 0.405 | 0.416 | 0.428 | 49.3 | 155 | 44.2 | 26.2 | 61.2 | 0.478 | 1359 |
| 362S200-43 | 15.9 | 1.146 | 230 | 1.95 | 0.248 | 0.348 | 37.4 | 0.0944 | 19.5 | 9.89 | 0.348 | 6.99 | 1.43 | 1.42 | 3.84 | 0.535 | 0.556 | 0.597 | 109 | 197 | 43.9 | 26.0 | 60.9 | 0.480 | 1359 |
| 362S200-54 | 15.9 | 1.438 | 345 | 2.42 | 0.309 | 0.429 | 37.3 | 0.115 | 19.3 | 19.2 | 0.429 | 8.01 | 2.49 | 2.51 | 5.78 | 0.994 | 1.03 | 1.06 | 213 | 240 | 43.6 | 25.8 | 60.5 | 0.482 | 1100 |
| 362S200-68 | 15.9 | 1.811 | 345 | 3.01 | 0.384 | 0.527 | 37.0 | 0.140 | 19.1 | 24.9 | 0.527 | 10.9 | 3.39 | 3.33 | 5.72 | 1.24 | 1.25 | 1.34 | 420 | 292 | 43.1 | 25.6 | 59.9 | 0.484 | 1100 |
| 362S200-97 | 15.9 | 2.583 | 345 | 4.18 | 0.533 | 0.713 | 36.6 | 0.186 | 18.7 | 33.8 | 0.712 | 15.2 | 5.43* | 5.45 | 4.98 | 1.63 | 1.63 | 1.77 | 1185 | 387 | 42.1 | 25.0 | 58.8 | 0.487 | 1026 |
| 362S250-33 | 15.9 | 0.879 | 230 | 1.68 | 0.214 | 0.316 | 38.5 | 0.125 | 24.2 | 5.82 | 0.298 | 5.16 | 1.06 | 1.08 | 2.97 | 0.557 | 0.576 | 0.529 | 55.0 | 259 | 56.2 | 32.6 | 72.2 | 0.395 | 1628 |
| 362S250-43 | 15.9 | 1.146 | 230 | 2.18 | 0.277 | 0.408 | 38.4 | 0.160 | 24.0 | 9.89 | 0.405 | 7.36 | 1.51 | 1.54 | 3.84 | 0.738 | 0.768 | 0.749 | 121 | 330 | 55.9 | 32.4 | 71.9 | 0.396 | 1628 |
| 362S250-54 | 15.9 | 1.438 | 345 | 2.71 | 0.345 | 0.504 | 38.2 | 0.197 | 23.9 | 19.2 | 0.483 | 8.42 | 2.61 | 2.69 | 5.78 | 1.38 | 1.43 | 1.32 | 238 | 404 | 55.5 | 32.2 | 71.5 | 0.397 | 1318 |
| 362S250-68 | 15.9 | 1.811 | 345 | 3.37 | 0.430 | 0.620 | 38.0 | 0.240 | 23.6 | 24.9 | 0.614 | 11.3 | 3.50 | 3.59 | 5.72 | 1.72 | 1.74 | 1.76 | 470 | 493 | 55.0 | 32.0 | 70.9 | 0.398 | 1321 |
| 362S250-97 | 15.9 | 2.583 | 345 | 4.70 | 0.598 | 0.844 | 37.6 | 0.322 | 23.2 | 33.8 | 0.844 | 17.1 | 5.98* | 5.50 | 4.98 | 2.30 | 2.30 | 2.52 | 1331 | 658 | 54.0 | 31.5 | 69.7 | 0.401 | 1252 |
| 362S300-33 | 15.9 | 0.879 | 230 | 1.85 | 0.236 | 0.363 | 39.2 | 0.193 | 28.6 | 5.82 | 0.325 | 5.37 | 1.10 | 1.13 | 2.97 | 0.728 | 0.756 | 0.626 | 60.8 | 397 | 68.2 | 39.0 | 83.7 | 0.336 | 1885 |
| 362S300-43 | 15.9 | 1.146 | 230 | 2.41 | 0.307 | 0.468 | 39.1 | 0.248 | 28.4 | 9.89 | 0.441 | 7.52 | 1.54 | 1.62 | 3.84 | 0.966 | 1.01 | 0.894 | 134 | 507 | 67.9 | 38.9 | 83.4 | 0.336 | 1887 |
| 362S300-54 | 15.9 | 1.438 | 345 | 3.00 | 0.382 | 0.579 | 38.9 | 0.305 | 28.3 | 19.2 | 0.525 | 8.66 | 2.69 | 2.82 | 5.78 | 1.81 | 1.87 | 1.57 | 263 | 622 | 67.5 | 38.7 | 82.9 | 0.337 | 1529 |
| 362S300-68 | 15.9 | 1.811 | 345 | 3.74 | 0.476 | 0.714 | 38.7 | 0.375 | 28.1 | 24.9 | 0.675 | 11.7 | 3.64 | 3.81 | 5.72 | 2.27 | 2.29 | 2.12 | 520 | 761 | 67.1 | 38.4 | 82.4 | 0.337 | 1532 |
| 362S300-97 | 15.9 | 2.583 | 345 | 5.21 | 0.664 | 0.975 | 38.3 | 0.505 | 27.6 | 33.8 | 0.960 | 18.8 | 5.84 | 5.91 | 4.98 | 3.07 | 3.07 | 3.27 | 1477 | 1021 | 66.0 | 37.9 | 81.2 | 0.338 | 1544 |
| 400S125-18 | 4.78 | 0.478 | 230 | 0.632 | 0.081 | 0.123 | 39.0 | 0.00891 | 10.5 | 0.885 | 0.110 | 1.36 | 0.278 | 0.261 | 0.885 | 0.061 | 0.0710 | 0.0543 | 6.12 | 18.1 | 19.2 | 12.1 | 44.7 | 0.817 | 729 |
| 400S125-33 | 4.78 | 0.879 | 230 | 1.15 | 0.147 | 0.221 | 38.8 | 0.0157 | 10.3 | 5.54 | 0.217 | 3.32 | 0.681 | 0.619 | 3.38 | 0.118 | 0.125 | 0.123 | 37.8 | 31.6 | 18.7 | 11.8 | 44.3 | 0.821 | 721 |
| 400S125-43 | 4.78 | 1.146 | 230 | 1.49 | 0.190 | 0.284 | 38.7 | 0.0198 | 10.2 | 9.89 | 0.281 | 4.94 | 1.01 | 0.897 | 4.61 | 0.154 | 0.158 | 0.166 | 83.2 | 39.7 | 18.5 | 11.7 | 44.0 | 0.824 | 716 |
| 400S125-54 | 4.78 | 1.438 | 345 | 1.85 | 0.236 | 0.348 | 38.4 | 0.0236 | 10.0 | 19.2 | 0.344 | 5.91 | 1.83 | 1.59 | 6.96 | 0.278 | 0.284 | 0.301 | 162 | 47.9 | 18.1 | 11.5 | 43.6 | 0.828 | 577 |
| 400S162-33 | 12.7 | 0.879 | 230 | 1.39 | 0.177 | 0.288 | 40.3 | 0.0427 | 15.5 | 5.54 | 0.288 | 4.89 | 1.00 | 0.984 | 3.38 | 0.270 | 0.293 | 0.302 | 45.7 | 97.4 | 32.1 | 19.5 | 53.8 | 0.644 | 1074 |
| 400S162-43 | 12.7 | 1.146 | 230 | 1.81 | 0.230 | 0.371 | 40.2 | 0.0546 | 15.4 | 9.89 | 0.371 | 6.83 | 1.40 | 1.39 | 4.61 | 0.356 | 0.374 | 0.395 | 101 | 123 | 31.8 | 19.3 | 53.5 | 0.647 | 1069 |
| 400S162-54 | 12.7 | 1.438 | 345 | 2.24 | 0.286 | 0.457 | 40.0 | 0.0663 | 15.2 | 19.2 | 0.457 | 8.15 | 2.53 | 2.45 | 6.96 | 0.658 | 0.687 | 0.728 | 197 | 150 | 31.4 | 19.2 | 53.1 | 0.649 | 864 |
| 400S162-68 | 12.7 | 1.811 | 345 | 2.79 | 0.355 | 0.560 | 39.7 | 0.0800 | 15.0 | 27.7 | 0.560 | 10.6 | 3.30 | 3.24 | 7.72 | 0.815 | 0.825 | 0.877 | 388 | 182 | 31.0 | 18.9 | 52.6 | 0.653 | 864 |
| 400S162-97 | 12.7 | 2.583 | 345 | 3.86 | 0.492 | 0.755 | 39.2 | 0.104 | 14.5 | 37.9 | 0.755 | 14.6 | 5.38* | 5.38 | 6.87 | 1.06 | 1.06 | 1.14 | 1094 | 239 | 30.0 | 18.4 | 51.5 | 0.660 | 790 |
| 400S200-33 | 15.9 | 0.879 | 230 | 1.57 | 0.200 | 0.338 | 41.1 | 0.0762 | 19.5 | 5.54 | 0.332 | 5.38 | 1.10 | 1.13 | 3.38 | 0.406 | 0.426 | 0.432 | 51.4 | 187 | 42.9 | 25.6 | 62.5 | 0.530 | 1349 |
| 400S200-43 | 15.9 | 1.146 | 230 | 2.03 | 0.259 | 0.436 | 41.0 | 0.0977 | 19.4 | 9.89 | 0.436 | 7.83 | 1.60 | 1.59 | 4.61 | 0.539 | 0.569 | 0.601 | 113 | 238 | 42.6 | 25.4 | 62.2 | 0.532 | 1346 |
| 400S200-54 | 15.9 | 1.438 | 345 | 2.53 | 0.322 | 0.538 | 40.8 | 0.120 | 19.3 | 19.2 | 0.538 | 8.98 | 2.79 | 2.81 | 6.96 | 1.00 | 1.05 | 1.07 | 222 | 291 | 42.2 | 25.2 | 61.8 | 0.534 | 1090 |
| 400S200-68 | 15.9 | 1.811 | 345 | 3.15 | 0.401 | 0.662 | 40.6 | 0.145 | 19.1 | 27.7 | 0.661 | 12.3 | 3.81 | 3.74 | 7.72 | 1.25 | 1.28 | 1.37 | 439 | 354 | 41.7 | 25.0 | 61.3 | 0.536 | 1090 |
| 400S200-97 | 15.9 | 2.583 | 345 | 4.37 | 0.557 | 0.897 | 40.1 | 0.193 | 18.6 | 37.9 | 0.897 | 17.4 | 6.23* | 6.23 | 6.87 | 1.68 | 1.68 | 1.80 | 1240 | 470 | 40.8 | 24.5 | 60.1 | 0.541 | 1013 |
| 400S250-33 | 15.9 | 0.879 | 230 | 1.74 | 0.222 | 0.395 | 42.2 | 0.129 | 24.1 | 5.54 | 0.372 | 5.76 | 1.18 | 1.20 | 3.38 | 0.559 | 0.591 | 0.532 | 57.2 | 313 | 54.6 | 32.0 | 73.1 | 0.441 | 1618 |
| 400S250-43 | 15.9 | 1.146 | 230 | 2.26 | 0.288 | 0.509 | 42.0 | 0.166 | 24.0 | 9.89 | 0.506 | 8.23 | 1.69 | 1.71 | 4.61 | 0.743 | 0.787 | 0.752 | 126 | 399 | 54.3 | 31.8 | 72.8 | 0.443 | 1615 |
| 400S250-54 | 15.9 | 1.438 | 345 | 2.82 | 0.359 | 0.629 | 41.9 | 0.204 | 23.8 | 19.2 | 0.603 | 9.43 | 2.93 | 2.99 | 6.96 | 1.39 | 1.46 | 1.33 | 247 | 489 | 53.9 | 31.6 | 72.3 | 0.444 | 1 |

| Stud Designation | Lip (mm) | Base Design Thickness (mm) | F _y (MPa) | GROSS | | | | | | | PERFORATED EFFECTIVE | | | | | | | | | TORSIONAL | | | | | | L _u (mm) |
|------------------|----------|----------------------------|----------------------|-------------|--------------------------------|--|---------------------|--|---------------------|---------------------|---|---|--------------------------|--------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|---------------------|--------|---------------------|-------|------|---------------------|
| | | | | Mass (Kg/m) | Area (E+03) (mm ²) | I _x (E+06) (mm ⁴) | r _x (mm) | I _y (E+06) (mm ⁴) | r _y (mm) | V _g (kN) | I _{xd} (E+06) (mm ⁴) | S _{xe} (E+03) (mm ³) | M _{rxLB} (kN-m) | M _{rxDB} (kN-m) | V _m (kN) | M _{ryLB web comp.} (kN-m) | M _{ryLB lip comp.} (kN-m) | M _{ryDB lip comp.} (kN-m) | J (mm ⁴) | C _w (E+06) (mm ⁶) | x _o (mm) | m (mm) | r _o (mm) | β | | |
| 600S125-33 | 4.78 | 0.879 | 230 | 1.50 | 0.191 | 0.587 | 55.4 | 0.0173 | 9.53 | 3.63 | 0.560 | 6.05 | 1.24 | 0.972 | 3.63 | 0.120 | 0.133 | 0.128 | 49.3 | 80.6 | 15.4 | 10.1 | 58.3 | 0.930 | 699 | |
| 600S125-43 | 4.78 | 1.146 | 230 | 1.95 | 0.248 | 0.756 | 55.2 | 0.0219 | 9.40 | 8.04 | 0.747 | 9.08 | 1.86 | 1.43 | 7.05 | 0.157 | 0.168 | 0.173 | 109 | 102 | 15.2 | 9.98 | 58.0 | 0.931 | 693 | |
| 600S125-54 | 4.78 | 1.438 | 345 | 2.42 | 0.309 | 0.931 | 54.9 | 0.0261 | 9.19 | 16.0 | 0.922 | 11.0 | 3.42 | 2.59 | 11.1 | 0.285 | 0.304 | 0.312 | 213 | 123 | 14.9 | 9.80 | 57.6 | 0.933 | 556 | |
| 600S162-33 | 12.7 | 0.879 | 230 | 1.74 | 0.222 | 0.746 | 58.0 | 0.0484 | 14.8 | 3.63 | 0.746 | 9.46 | 1.94 | 1.55 | 3.63 | 0.273 | 0.313 | 0.322 | 57.2 | 231 | 27.2 | 17.2 | 65.7 | 0.828 | 1044 | |
| 600S162-43 | 12.7 | 1.146 | 230 | 2.26 | 0.288 | 0.964 | 57.8 | 0.0618 | 14.6 | 8.04 | 0.964 | 12.6 | 2.84* | 2.20 | 7.05 | 0.362 | 0.400 | 0.411 | 126 | 294 | 27.0 | 17.0 | 65.5 | 0.830 | 988 | |
| 600S162-54 | 12.7 | 1.438 | 345 | 2.82 | 0.359 | 1.19 | 57.6 | 0.0751 | 14.5 | 16.0 | 1.19 | 15.0 | 5.15* | 3.91 | 11.1 | 0.670 | 0.737 | 0.757 | 247 | 359 | 26.6 | 16.8 | 65.1 | 0.833 | 795 | |
| 600S162-68 | 12.7 | 1.811 | 345 | 3.51 | 0.447 | 1.47 | 57.3 | 0.0907 | 14.2 | 30.4 | 1.47 | 19.1 | 6.70* | 5.28 | 16.4 | 0.836 | 0.889 | 0.914 | 489 | 437 | 26.2 | 16.6 | 64.6 | 0.835 | 782 | |
| 600S162-97 | 12.7 | 2.583 | 345 | 4.89 | 0.623 | 2.00 | 56.6 | 0.118 | 13.8 | 59.6 | 2.00 | 26.2 | 9.64* | 8.07 | 21.7 | 1.13 | 1.15 | 1.19 | 1385 | 578 | 25.3 | 16.2 | 63.5 | 0.841 | 754 | |
| 600S200-33 | 15.9 | 0.879 | 230 | 1.92 | 0.244 | 0.864 | 59.4 | 0.087 | 18.9 | 3.63 | 0.850 | 10.2 | 2.08 | 1.77 | 3.63 | 0.410 | 0.459 | 0.449 | 62.9 | 428 | 37.0 | 22.9 | 72.5 | 0.740 | 1311 | |
| 600S200-43 | 15.9 | 1.146 | 230 | 2.49 | 0.317 | 1.12 | 59.3 | 0.112 | 18.8 | 8.04 | 1.12 | 14.3 | 2.93 | 2.52 | 7.05 | 0.547 | 0.613 | 0.626 | 139 | 546 | 36.7 | 22.7 | 72.2 | 0.742 | 1306 | |
| 600S200-54 | 15.9 | 1.438 | 345 | 3.10 | 0.395 | 1.38 | 59.1 | 0.137 | 18.6 | 16.0 | 1.38 | 16.6 | 5.16 | 4.46 | 11.1 | 1.02 | 1.14 | 1.12 | 272 | 669 | 36.4 | 22.5 | 71.9 | 0.744 | 1054 | |
| 600S200-68 | 15.9 | 1.811 | 345 | 3.87 | 0.493 | 1.71 | 58.8 | 0.166 | 18.4 | 30.4 | 1.71 | 21.6 | 7.42* | 6.02 | 16.4 | 1.28 | 1.38 | 1.42 | 539 | 818 | 35.9 | 22.3 | 71.3 | 0.746 | 998 | |
| 600S200-97 | 15.9 | 2.583 | 345 | 5.40 | 0.689 | 2.34 | 58.2 | 0.221 | 17.9 | 59.6 | 2.34 | 30.7 | 11.0* | 9.33 | 21.7 | 1.78 | 1.83 | 1.89 | 1531 | 1096 | 35.0 | 21.8 | 70.3 | 0.752 | 973 | |
| 600S250-33 | 15.9 | 0.879 | 230 | 2.09 | 0.267 | 0.992 | 61.0 | 0.148 | 23.6 | 3.63 | 0.941 | 10.6 | 2.18 | 1.85 | 3.63 | 0.565 | 0.641 | 0.547 | 68.7 | 716 | 47.9 | 29.0 | 81.1 | 0.651 | 1588 | |
| 600S250-43 | 15.9 | 1.146 | 230 | 2.72 | 0.347 | 1.28 | 60.9 | 0.191 | 23.4 | 8.04 | 1.27 | 15.0 | 3.08 | 2.67 | 7.05 | 0.754 | 0.854 | 0.776 | 152 | 916 | 47.6 | 28.9 | 80.7 | 0.652 | 1582 | |
| 600S250-54 | 15.9 | 1.438 | 345 | 3.39 | 0.432 | 1.59 | 60.7 | 0.234 | 23.3 | 16.0 | 1.52 | 17.5 | 5.43 | 4.69 | 11.1 | 1.41 | 1.59 | 1.38 | 298 | 1126 | 47.2 | 28.7 | 80.3 | 0.654 | 1280 | |
| 600S250-68 | 15.9 | 1.811 | 345 | 4.23 | 0.539 | 1.97 | 60.4 | 0.286 | 23.1 | 30.4 | 1.94 | 22.7 | 7.04 | 6.36 | 16.4 | 1.79 | 1.94 | 1.84 | 589 | 1382 | 46.8 | 28.4 | 79.8 | 0.657 | 1278 | |
| 600S250-97 | 15.9 | 2.583 | 345 | 5.92 | 0.754 | 2.70 | 59.9 | 0.384 | 22.6 | 59.6 | 2.70 | 33.8 | 11.8* | 10.0 | 21.7 | 2.51 | 2.59 | 2.69 | 1677 | 1865 | 45.8 | 27.9 | 78.7 | 0.661 | 1199 | |
| 600S300-33 | 15.9 | 0.879 | 230 | 2.27 | 0.289 | 1.12 | 62.3 | 0.230 | 28.2 | 3.63 | 1.02 | 10.9 | 2.22 | 1.90 | 3.63 | 0.738 | 0.845 | 0.641 | 74.4 | 1097 | 59.1 | 35.2 | 90.3 | 0.572 | 1854 | |
| 600S300-43 | 15.9 | 1.146 | 230 | 2.95 | 0.376 | 1.45 | 62.1 | 0.296 | 28.1 | 8.04 | 1.37 | 15.5 | 3.17 | 2.76 | 7.05 | 0.986 | 1.12 | 0.919 | 164 | 1406 | 58.8 | 35.1 | 90.0 | 0.574 | 1849 | |
| 600S300-54 | 15.9 | 1.438 | 345 | 3.68 | 0.468 | 1.80 | 62.0 | 0.364 | 27.9 | 16.0 | 1.64 | 18.1 | 5.62 | 4.85 | 11.1 | 1.85 | 2.10 | 1.62 | 323 | 1733 | 58.4 | 34.8 | 89.6 | 0.575 | 1499 | |
| 600S300-68 | 15.9 | 1.811 | 345 | 4.59 | 0.585 | 2.23 | 61.7 | 0.448 | 27.7 | 30.4 | 2.11 | 23.7 | 7.35 | 6.61 | 16.4 | 2.35 | 2.57 | 2.19 | 640 | 2131 | 57.9 | 34.6 | 89.1 | 0.577 | 1496 | |
| 600S300-97 | 15.9 | 2.583 | 345 | 6.43 | 0.820 | 3.07 | 61.2 | 0.605 | 27.2 | 59.6 | 3.02 | 36.8 | 11.4 | 10.5 | 21.7 | 3.34 | 3.46 | 3.42 | 1823 | 2894 | 56.9 | 34.1 | 87.9 | 0.581 | 1494 | |
| 800S162-43 | 12.7 | 1.146 | 230 | 2.72 | 0.347 | 1.93 | 74.6 | 0.067 | 13.9 | 5.97 | 1.87 | 16.7 | 3.42 | 2.99 | 5.97 | 0.364 | 0.414 | 0.420 | 152 | 557 | 23.5 | 15.3 | 79.5 | 0.912 | 1011 | |
| 800S162-54 | 12.7 | 1.438 | 345 | 3.39 | 0.432 | 2.39 | 74.3 | 0.081 | 13.7 | 11.9 | 2.32 | 20.1 | 6.24 | 5.32 | 11.9 | 0.675 | 0.763 | 0.774 | 298 | 682 | 23.2 | 15.1 | 79.1 | 0.914 | 815 | |
| 800S162-68 | 12.7 | 1.811 | 345 | 4.23 | 0.539 | 2.95 | 74.0 | 0.098 | 13.5 | 24.0 | 2.93 | 27.3 | 8.46 | 7.29 | 19.1 | 0.843 | 0.920 | 0.934 | 589 | 831 | 22.8 | 14.9 | 78.6 | 0.916 | 808 | |
| 800S162-97 | 12.7 | 2.583 | 345 | 5.92 | 0.754 | 4.04 | 73.2 | 0.127 | 13.0 | 61.9 | 4.04 | 39.8 | 12.3 | 11.6 | 33.8 | 1.15 | 1.19 | 1.22 | 1677 | 1105 | 22.0 | 14.4 | 77.5 | 0.920 | 795 | |
| 800S200-43 | 15.9 | 1.146 | 230 | 2.95 | 0.376 | 2.21 | 76.7 | 0.121 | 18.0 | 5.97 | 2.21 | 21.2 | 4.33 | 3.45 | 5.97 | 0.550 | 0.636 | 0.646 | 164 | 1020 | 32.4 | 20.6 | 85.2 | 0.855 | 1278 | |
| 800S200-54 | 15.9 | 1.438 | 345 | 3.68 | 0.468 | 2.74 | 76.4 | 0.149 | 17.8 | 11.9 | 2.74 | 24.5 | 7.61 | 6.11 | 11.9 | 1.02 | 1.18 | 1.15 | 323 | 1252 | 32.1 | 20.4 | 84.8 | 0.856 | 1031 | |
| 800S200-68 | 15.9 | 1.811 | 345 | 4.59 | 0.585 | 3.39 | 76.1 | 0.181 | 17.6 | 24.0 | 3.39 | 32.2 | 11.1* | 8.34 | 19.1 | 1.29 | 1.44 | 1.46 | 640 | 1534 | 31.7 | 20.2 | 84.3 | 0.859 | 975 | |
| 800S200-97 | 15.9 | 2.583 | 345 | 6.43 | 0.820 | 4.66 | 75.4 | 0.240 | 17.1 | 61.9 | 4.66 | 45.9 | 16.4* | 13.2 | 33.8 | 1.80 | 1.90 | 1.93 | 1823 | 2063 | 30.8 | 19.7 | 83.3 | 0.863 | 945 | |
| 800S250-43 | 15.9 | 1.146 | 230 | 3.18 | 0.405 | 2.50 | 78.7 | 0.208 | 22.7 | 5.97 | 2.49 | 21.5 | 4.40 | 3.63 | 5.97 | 0.758 | 0.890 | 0.801 | 177 | 1712 | 42.5 | 26.5 | 92.3 | 0.787 | 1562 | |
| 800S250-54 | 15.9 | 1.438 | 345 | 3.96 | 0.505 | 3.11 | 78.5 | 0.256 | 22.5 | 11.9 | 2.98 | 25.0 | 7.75 | 6.41 | 11.9 | 1.42 | 1.66 | 1.42 | 348 | 2108 | 42.2 | 26.3 | 91.9 | 0.789 | 1262 | |
| 800S250-68 | 15.9 | 1.811 | 345 | 4.95 | 0.631 | 3.86 | 78.2 | 0.313 | 22.3 | 24.0 | 3.80 | 33.7 | 10.5 | 8.78 | 19.1 | 1.80 | 2.03 | 1.90 | 690 | 2592 | 41.8 | 26.1 | 91.4 | 0.791 | 1257 | |
| 800S250-97 | 15.9 | 2.583 | 345 | 6.95 | 0.885 | 5.32 | 77.5 | 0.420 | 21.8 | 61.9 | 5.32 | 50.0 | 17.4* | 14.1 | 33.8 | 2.55 | 2.71 | 2.77 | 1969 | 3515 | 40.8 | 25.6 | 90.3 | 0.796 | 1176 | |
| 800S300-43 | 15.9 | 1.146 | 230 | 3.40 | 0.434 | 2.80 | 80.4 | 0.324 | 27.3 | 5.97 | 2.66 | 21.5 | 4.40 | 3.73 | 5.97 | 0.991 | 1.18 | 0.941 | 190 | 2628 | 53.0 | 32.5 | 100 | 0.719 | 1836 | |
| 800S300-54 | 15.9 | 1.438 | 345 | 4.25 | 0.541 | 3.48 | 80.2 | 0.399 | 27.2 | 11.9 | 3.19 | 25.1 | 7.80 | 6.59 | 11.9 | 1.86 | 2.20 | 1.66 | 373 | 3243 | 52.7 | 32.3 | 99.7 | 0.721 | 1486 | |
| 800S300-68 | 15.9 | 1.811 | 345 | 5.31 | 0.677 | 4.32 | 79.9 | 0.491 | 26.9 | 24.0 | 4.10 | 35.1 | 10.9 | 9.07 | 19.1 | 2.37 | 2.70 | 2.26 | 740 | 3998 | 52.2 | 32.1 | 99.2 | 0.723 | 1481 | |
| 800S300-97 | 15.9 | 2.583 | 345 | 7.46 | 0.951 | 5.98 | 79.3 | 0.664 | 26.4 | 61.9 | 5.88 | 54.1 | 16.8 | 14.7 | 33.8 | 3.39 | 3.64 | 3.54 | 2115 | 5452 | 51.2 | 31.6 | 98.1 | 0.727 | 1473 | |

* Cold work of forming applies

Joist Section Properties

Table Notes

- 1 Inside bend radius values are shown in the General Notes.
- 2 Gross section properties are based on the full-unreduced cross section of the joist sections, away from the punchouts.
- 3 The factored moment resistance for design is based on the lesser of local and distortional buckling. Distortional buckling is based on an assumed rotational stiffness of $K_{\phi} = 0$.

| Stud Designation | Lip (mm) | Base Design Thickness (mm) | F_y (MPa) | GROSS | | | | | | | PERFORATED EFFECTIVE | | | | | | | | | TORSIONAL | | | | | |
|------------------|----------|----------------------------|-------------|-------------|--------------------------------|---------------------------------|------------|---------------------------------|------------|---------------|------------------------------------|------------------------------------|-------------------|-------------------|------------|-----------------------------|-----------------------------|-----------------------------|----------------------|---------------------------------|------------|--------|------------|---------|------------|
| | | | | Mass (kg/m) | Area (E+03) (mm ²) | I_x (E+06) (mm ⁴) | r_x (mm) | I_y (E+06) (mm ⁴) | r_y (mm) | V_{rg} (kN) | I_{xd} (E+06) (mm ⁴) | S_{xe} (E+03) (mm ³) | M_{rxLB} (kN-m) | M_{rxDB} (kN-m) | V_m (kN) | M_{ryLB} web comp. (kN-m) | M_{ryLB} lip comp. (kN-m) | M_{ryDB} lip comp. (kN-m) | J (mm ⁴) | C_w (E+06) (mm ⁶) | x_o (mm) | m (mm) | r_o (mm) | β | L_u (mm) |
| 600S162-43 | 12.7 | 1.146 | 230 | 2.26 | 0.288 | 0.964 | 57.8 | 0.0618 | 14.6 | 8.04 | 0.964 | 12.6 | 2.84* | 2.20 | 7.05 | 0.363 | 0.400 | 0.411 | 126 | 294 | 27.0 | 17.0 | 65.5 | 0.830 | 991 |
| 600S162-54 | 12.7 | 1.438 | 345 | 2.82 | 0.359 | 1.19 | 57.6 | 0.0751 | 14.5 | 16.0 | 1.19 | 15.0 | 5.15* | 3.91 | 11.1 | 0.670 | 0.738 | 0.757 | 247 | 359 | 26.6 | 16.8 | 65.1 | 0.833 | 798 |
| 600S162-68 | 12.7 | 1.811 | 345 | 3.51 | 0.447 | 1.47 | 57.3 | 0.0907 | 14.2 | 30.4 | 1.47 | 19.1 | 6.70* | 5.28 | 16.4 | 0.836 | 0.888 | 0.914 | 489 | 437 | 26.2 | 16.6 | 64.6 | 0.835 | 782 |
| 600S162-97 | 12.7 | 2.583 | 345 | 4.89 | 0.623 | 2.00 | 56.6 | 0.118 | 13.8 | 59.6 | 2.00 | 26.2 | 9.64* | 8.07 | 21.7 | 1.13 | 1.15 | 1.19 | 1385 | 578 | 25.3 | 16.2 | 63.5 | 0.841 | 757 |
| 600S200-43 | 15.9 | 1.146 | 230 | 2.49 | 0.317 | 1.12 | 59.3 | 0.112 | 18.8 | 8.04 | 1.12 | 14.3 | 2.93 | 2.52 | 7.05 | 0.547 | 0.614 | 0.626 | 139 | 546 | 36.7 | 22.7 | 72.2 | 0.742 | 1306 |
| 600S200-54 | 15.9 | 1.438 | 345 | 3.10 | 0.395 | 1.38 | 59.1 | 0.137 | 18.6 | 16.0 | 1.38 | 16.6 | 5.16 | 4.46 | 11.1 | 1.02 | 1.14 | 1.12 | 272 | 669 | 36.4 | 22.5 | 71.9 | 0.744 | 1057 |
| 600S200-68 | 15.9 | 1.811 | 345 | 3.87 | 0.493 | 1.71 | 58.8 | 0.166 | 18.4 | 30.4 | 1.71 | 21.6 | 7.42* | 6.02 | 16.4 | 1.28 | 1.38 | 1.42 | 539 | 818 | 35.9 | 22.3 | 71.3 | 0.746 | 998 |
| 600S200-97 | 15.9 | 2.583 | 345 | 5.40 | 0.689 | 2.34 | 58.2 | 0.221 | 17.9 | 59.6 | 2.34 | 30.7 | 11.0* | 9.33 | 21.7 | 1.78 | 1.83 | 1.89 | 1531 | 1096 | 35.0 | 21.8 | 70.3 | 0.752 | 973 |
| 600S250-43 | 15.9 | 1.146 | 230 | 2.72 | 0.347 | 1.28 | 60.9 | 0.191 | 23.4 | 8.04 | 1.27 | 15.0 | 3.08 | 2.67 | 7.05 | 0.754 | 0.854 | 0.776 | 152 | 916 | 47.6 | 28.9 | 80.7 | 0.652 | 1582 |
| 600S250-54 | 15.9 | 1.438 | 345 | 3.39 | 0.432 | 1.59 | 60.7 | 0.234 | 23.3 | 16.0 | 1.52 | 17.5 | 5.43 | 4.69 | 11.1 | 1.41 | 1.59 | 1.38 | 298 | 1126 | 47.2 | 28.7 | 80.3 | 0.654 | 1280 |
| 600S250-68 | 15.9 | 1.811 | 345 | 4.23 | 0.539 | 1.97 | 60.4 | 0.286 | 23.1 | 30.4 | 1.94 | 22.7 | 7.04 | 6.36 | 16.4 | 1.79 | 1.94 | 1.84 | 589 | 1382 | 46.8 | 28.4 | 79.8 | 0.657 | 1278 |
| 600S250-97 | 15.9 | 2.583 | 345 | 5.92 | 0.754 | 2.70 | 59.9 | 0.384 | 22.6 | 59.6 | 2.70 | 33.8 | 11.8* | 10.0 | 21.7 | 2.51 | 2.59 | 2.69 | 1677 | 1865 | 45.8 | 27.9 | 78.7 | 0.661 | 1199 |
| 600S300-43 | 15.9 | 1.146 | 230 | 2.95 | 0.376 | 1.45 | 62.1 | 0.296 | 28.1 | 8.04 | 1.37 | 15.5 | 3.17 | 2.76 | 7.05 | 0.986 | 1.12 | 0.919 | 164 | 1406 | 58.8 | 35.1 | 90.0 | 0.574 | 1849 |
| 600S300-54 | 15.9 | 1.438 | 345 | 3.68 | 0.468 | 1.80 | 62.0 | 0.364 | 27.9 | 16.0 | 1.64 | 18.1 | 5.62 | 4.85 | 11.1 | 1.85 | 2.10 | 1.62 | 323 | 1733 | 58.4 | 34.8 | 89.6 | 0.575 | 1499 |
| 600S300-68 | 15.9 | 1.811 | 345 | 4.59 | 0.585 | 2.23 | 61.7 | 0.448 | 27.7 | 30.4 | 2.11 | 23.7 | 7.35 | 6.61 | 16.4 | 2.35 | 2.57 | 2.19 | 640 | 2131 | 57.9 | 34.6 | 89.1 | 0.577 | 1496 |
| 600S300-97 | 15.9 | 2.583 | 345 | 6.43 | 0.820 | 3.07 | 61.2 | 0.605 | 27.2 | 59.6 | 3.02 | 36.8 | 11.4 | 10.5 | 21.7 | 3.34 | 3.46 | 3.42 | 1823 | 2894 | 56.9 | 34.1 | 87.9 | 0.581 | 1494 |
| 800S162-43 | 12.7 | 1.146 | 230 | 2.72 | 0.347 | 1.93 | 74.6 | 0.0666 | 13.9 | 5.97 | 1.87 | 16.7 | 3.42 | 2.99 | 5.97 | 0.365 | 0.414 | 0.420 | 152 | 557 | 23.5 | 15.3 | 79.5 | 0.912 | 1011 |
| 800S162-54 | 12.7 | 1.438 | 345 | 3.39 | 0.432 | 2.39 | 74.3 | 0.0809 | 13.7 | 11.9 | 2.32 | 20.1 | 6.24 | 5.32 | 11.9 | 0.675 | 0.763 | 0.774 | 298 | 682 | 23.2 | 15.1 | 79.1 | 0.914 | 815 |
| 800S162-68 | 12.7 | 1.811 | 345 | 4.23 | 0.539 | 2.95 | 74.0 | 0.0976 | 13.5 | 24.0 | 2.93 | 27.3 | 8.46 | 7.29 | 19.1 | 0.844 | 0.920 | 0.934 | 589 | 831 | 22.8 | 14.9 | 78.6 | 0.916 | 810 |
| 800S162-97 | 12.7 | 2.583 | 345 | 5.92 | 0.754 | 4.04 | 73.2 | 0.127 | 13.0 | 61.9 | 4.04 | 39.8 | 12.3 | 11.6 | 33.8 | 1.15 | 1.20 | 1.22 | 1677 | 1105 | 22.0 | 14.4 | 77.5 | 0.920 | 798 |
| 800S200-43 | 15.9 | 1.146 | 230 | 2.95 | 0.376 | 2.21 | 76.7 | 0.121 | 18.0 | 5.97 | 2.21 | 21.2 | 4.33 | 3.45 | 5.97 | 0.550 | 0.636 | 0.646 | 164 | 1020 | 32.4 | 20.6 | 85.2 | 0.855 | 1278 |
| 800S200-54 | 15.9 | 1.438 | 345 | 3.68 | 0.468 | 2.74 | 76.4 | 0.149 | 17.8 | 11.9 | 2.74 | 24.5 | 7.61 | 6.11 | 11.9 | 1.02 | 1.18 | 1.15 | 323 | 1252 | 32.1 | 20.4 | 84.8 | 0.856 | 1034 |
| 800S200-68 | 15.9 | 1.811 | 345 | 4.59 | 0.585 | 3.39 | 76.1 | 0.181 | 17.6 | 24.0 | 3.39 | 32.2 | 11.1* | 8.34 | 19.1 | 1.29 | 1.44 | 1.46 | 640 | 1534 | 31.7 | 20.2 | 84.3 | 0.859 | 975 |
| 800S200-97 | 15.9 | 2.583 | 345 | 6.43 | 0.820 | 4.66 | 75.4 | 0.240 | 17.1 | 61.9 | 4.66 | 45.9 | 16.4* | 13.2 | 33.8 | 1.80 | 1.90 | 1.93 | 1823 | 2063 | 30.8 | 19.7 | 83.3 | 0.863 | 945 |
| 800S250-43 | 15.9 | 1.146 | 230 | 3.18 | 0.405 | 2.50 | 78.7 | 0.208 | 22.7 | 5.97 | 2.49 | 21.5 | 4.40 | 3.63 | 5.97 | 0.758 | 0.890 | 0.801 | 177 | 1712 | 42.5 | 26.5 | 92.3 | 0.787 | 1562 |
| 800S250-54 | 15.9 | 1.438 | 345 | 3.96 | 0.505 | 3.11 | 78.5 | 0.256 | 22.5 | 11.9 | 2.98 | 25.0 | 7.75 | 6.41 | 11.9 | 1.42 | 1.66 | 1.42 | 348 | 2108 | 42.2 | 26.3 | 91.9 | 0.789 | 1265 |
| 800S250-68 | 15.9 | 1.811 | 345 | 4.95 | 0.631 | 3.86 | 78.2 | 0.313 | 22.3 | 24.0 | 3.80 | 33.7 | 10.5 | 8.78 | 19.1 | 1.80 | 2.03 | 1.90 | 690 | 2592 | 41.8 | 26.1 | 91.4 | 0.791 | 1260 |
| 800S250-97 | 15.9 | 2.583 | 345 | 6.95 | 0.885 | 5.32 | 77.5 | 0.420 | 21.8 | 61.9 | 5.32 | 50.0 | 17.4* | 14.1 | 33.8 | 2.55 | 2.71 | 2.77 | 1969 | 3515 | 40.8 | 25.6 | 90.3 | 0.796 | 1179 |
| 800S300-43 | 15.9 | 1.146 | 230 | 3.40 | 0.434 | 2.80 | 80.4 | 0.324 | 27.3 | 5.97 | 2.66 | 21.5 | 4.40 | 3.73 | 5.97 | 0.991 | 1.18 | 0.941 | 190 | 2628 | 53.0 | 32.5 | 100 | 0.719 | 1836 |
| 800S300-54 | 15.9 | 1.438 | 345 | 4.25 | 0.541 | 3.48 | 80.2 | 0.399 | 27.2 | 11.9 | 3.19 | 25.1 | 7.80 | 6.59 | 11.9 | 1.86 | 2.20 | 1.66 | 373 | 3243 | 52.7 | 32.3 | 99.7 | 0.721 | 1486 |
| 800S300-68 | 15.9 | 1.811 | 345 | 5.31 | 0.677 | 4.32 | 79.9 | 0.491 | 26.9 | 24.0 | 4.10 | 35.1 | 10.9 | 9.07 | 19.1 | 2.37 | 2.70 | 2.26 | 740 | 3998 | 52.2 | 32.1 | 99.2 | 0.723 | 1481 |
| 800S300-97 | 15.9 | 2.583 | 345 | 7.46 | 0.951 | 5.98 | 79.3 | 0.664 | 26.4 | 61.9 | 5.88 | 54.1 | 16.8 | 14.7 | 33.8 | 3.39 | 3.64 | 3.54 | 2115 | 5452 | 51.2 | 31.6 | 98.1 | 0.727 | 1473 |

* Cold work of forming applies

| Stud Designation | Lip (mm) | Base Design Thickness (mm) | F _y (MPa) | GROSS | | | | | | | PERFORATED EFFECTIVE | | | | | | | | | TORSIONAL | | | | | |
|------------------|----------|----------------------------|----------------------|-------------|--------------------------------|--|---------------------|--|---------------------|----------------------|---|---|--------------------------|--------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|---------------------|--------|---------------------|-------|---------------------|
| | | | | Mass (kg/m) | Area (E+03) (mm ²) | I _x (E+06) (mm ⁴) | r _x (mm) | I _y (E+06) (mm ⁴) | r _y (mm) | V _{rg} (kN) | I _{xd} (E+06) (mm ⁴) | S _{xe} (E+03) (mm ³) | M _{rxLB} (kN-m) | M _{rxDB} (kN-m) | V _m (kN) | M _{ryLB web comp.} (kN-m) | M _{ryLB lip comp.} (kN-m) | M _{ryDB lip comp.} (kN-m) | J (mm ⁴) | C _w (E+06) (mm ⁶) | x _o (mm) | m (mm) | r _o (mm) | β | L _u (mm) |
| 1000S162-54 | 12.7 | 1.438 | 345 | 3.96 | 0.505 | 4.14 | 90.6 | 0.0851 | 13.0 | 9.43 | 3.87 | 25.7 | 7.99 | 6.58 | 9.43 | 0.677 | 0.777 | 0.785 | 348 | 1127 | 20.6 | 13.7 | 93.8 | 0.952 | 795 |
| 1000S162-68 | 12.7 | 1.811 | 345 | 4.95 | 0.631 | 5.13 | 90.2 | 0.103 | 12.8 | 19.0 | 4.96 | 35.3 | 11.0 | 9.14 | 19.0 | 0.847 | 0.939 | 0.948 | 690 | 1375 | 20.3 | 13.5 | 93.3 | 0.953 | 787 |
| 1000S162-97 | 12.7 | 2.583 | 345 | 6.95 | 0.885 | 7.06 | 89.3 | 0.133 | 12.3 | 56.0 | 7.06 | 53.6 | 16.6 | 14.9 | 40.8 | 1.16 | 1.22 | 1.23 | 1969 | 1833 | 19.5 | 13.1 | 92.3 | 0.955 | 772 |
| 1000S200-54 | 15.9 | 1.438 | 345 | 4.25 | 0.541 | 4.70 | 93.1 | 0.157 | 17.0 | 9.43 | 4.43 | 27.9 | 8.66 | 7.65 | 9.43 | 1.03 | 1.21 | 1.18 | 373 | 2058 | 28.8 | 18.7 | 99.0 | 0.915 | 1011 |
| 1000S200-68 | 15.9 | 1.811 | 345 | 5.31 | 0.677 | 5.83 | 92.8 | 0.191 | 16.8 | 19.0 | 5.66 | 39.6 | 12.3 | 10.6 | 19.0 | 1.30 | 1.47 | 1.49 | 740 | 2524 | 28.4 | 18.5 | 98.5 | 0.917 | 1006 |
| 1000S200-97 | 15.9 | 2.583 | 345 | 7.46 | 0.951 | 8.05 | 92.0 | 0.254 | 16.3 | 56.0 | 8.05 | 61.3 | 19.0 | 17.1 | 40.8 | 1.82 | 1.95 | 1.97 | 2115 | 3405 | 27.6 | 18.1 | 97.4 | 0.920 | 991 |
| 1000S250-54 | 15.9 | 1.438 | 345 | 4.54 | 0.578 | 5.28 | 95.6 | 0.272 | 21.7 | 9.43 | 5.08 | 30.8 | 9.55 | 8.08 | 9.43 | 1.42 | 1.70 | 1.46 | 398 | 3470 | 38.2 | 24.3 | 105 | 0.868 | 1247 |
| 1000S250-68 | 15.9 | 1.811 | 345 | 5.68 | 0.723 | 6.56 | 95.2 | 0.333 | 21.4 | 19.0 | 6.47 | 45.3 | 14.1 | 11.2 | 19.0 | 1.81 | 2.08 | 1.94 | 791 | 4272 | 37.8 | 24.1 | 105 | 0.870 | 1240 |
| 1000S250-97 | 15.9 | 2.583 | 345 | 7.98 | 1.02 | 9.09 | 94.5 | 0.446 | 21.0 | 56.0 | 9.08 | 68.5 | 23.8* | 18.2 | 40.8 | 2.57 | 2.79 | 2.82 | 2261 | 5809 | 36.9 | 23.7 | 104 | 0.873 | 1158 |
| 1000S300-54 | 15.9 | 1.438 | 345 | 4.82 | 0.615 | 5.86 | 97.7 | 0.426 | 26.3 | 9.43 | 5.33 | 31.2 | 9.66 | 8.32 | 9.43 | 1.86 | 2.26 | 1.71 | 423 | 5341 | 48.1 | 30.1 | 112 | 0.816 | 1473 |
| 1000S300-68 | 15.9 | 1.811 | 345 | 6.04 | 0.769 | 7.29 | 97.4 | 0.524 | 26.1 | 19.0 | 6.93 | 45.9 | 14.2 | 11.5 | 19.0 | 2.38 | 2.78 | 2.32 | 841 | 6593 | 47.6 | 29.9 | 111 | 0.818 | 1468 |
| 1000S300-97 | 15.9 | 2.583 | 345 | 8.49 | 1.08 | 10.1 | 96.7 | 0.709 | 25.6 | 56.0 | 9.95 | 73.7 | 22.9 | 18.9 | 40.8 | 3.41 | 3.75 | 3.63 | 2407 | 9015 | 46.7 | 29.4 | 110 | 0.821 | 1458 |
| 1200S162-68 | 12.7 | 1.811 | 345 | 5.68 | 0.723 | 8.13 | 106 | 0.106 | 12.1 | 15.7 | 7.60 | 43.3 | 13.4 | 10.8 | 15.7 | 0.850 | 0.951 | 0.958 | 791 | 2078 | 18.3 | 12.3 | 108 | 0.972 | 767 |
| 1200S162-97 | 12.7 | 2.583 | 345 | 7.98 | 1.02 | 11.2 | 105 | 0.138 | 11.7 | 46.3 | 11.1 | 67.0 | 20.8 | 18.0 | 42.1 | 1.16 | 1.24 | 1.24 | 2261 | 2774 | 17.6 | 11.9 | 107 | 0.973 | 749 |
| 1200S200-68 | 15.9 | 1.811 | 345 | 6.04 | 0.769 | 9.14 | 109 | 0.199 | 16.1 | 15.7 | 8.62 | 48.5 | 15.1 | 12.5 | 15.7 | 1.30 | 1.49 | 1.50 | 841 | 3807 | 25.8 | 17.1 | 113 | 0.948 | 983 |
| 1200S200-97 | 15.9 | 2.583 | 345 | 8.49 | 1.08 | 12.7 | 108 | 0.264 | 15.6 | 46.3 | 12.5 | 76.3 | 23.7 | 20.8 | 42.1 | 1.82 | 1.98 | 2.00 | 2407 | 5142 | 25.1 | 16.7 | 112 | 0.950 | 968 |
| 1200S250-68 | 15.9 | 1.811 | 345 | 6.40 | 0.815 | 10.2 | 112 | 0.348 | 20.7 | 15.7 | 9.53 | 49.2 | 15.3 | 13.4 | 15.7 | 1.81 | 2.12 | 1.98 | 891 | 6454 | 34.6 | 22.5 | 119 | 0.915 | 1222 |
| 1200S250-97 | 15.9 | 2.583 | 345 | 9.01 | 1.15 | 14.2 | 111 | 0.467 | 20.2 | 46.3 | 14.0 | 82.5 | 25.6 | 22.1 | 42.1 | 2.58 | 2.84 | 2.87 | 2553 | 8790 | 33.8 | 22.0 | 118 | 0.918 | 1207 |
| 1200S300-68 | 15.9 | 1.811 | 345 | 6.76 | 0.861 | 11.2 | 114 | 0.549 | 25.2 | 15.7 | 10.7 | 54.3 | 16.9 | 13.9 | 15.7 | 2.39 | 2.83 | 2.36 | 941 | 9970 | 43.8 | 28.0 | 125 | 0.877 | 1453 |
| 1200S300-97 | 15.9 | 2.583 | 345 | 9.52 | 1.21 | 15.7 | 114 | 0.744 | 24.8 | 46.3 | 15.4 | 95.5 | 29.6 | 23.2 | 42.1 | 3.43 | 3.83 | 3.69 | 2699 | 13656 | 43.0 | 27.6 | 124 | 0.880 | 1440 |
| 1400S162-68 | 12.7 | 1.811 | 345 | 6.40 | 0.815 | 12.1 | 122 | 0.109 | 11.6 | 13.4 | 10.9 | 51.4 | 15.9 | 12.1 | 13.4 | 0.851 | 0.959 | 0.965 | 891 | 2945 | 16.6 | 11.4 | 123 | 0.982 | 747 |
| 1400S162-97 | 12.7 | 2.583 | 345 | 9.01 | 1.15 | 16.7 | 121 | 0.142 | 11.1 | 39.4 | 16.1 | 80.5 | 25.0 | 20.7 | 39.4 | 1.16 | 1.25 | 1.25 | 2553 | 3934 | 16.0 | 11.0 | 122 | 0.983 | 729 |
| 1400S200-68 | 15.9 | 1.811 | 345 | 6.76 | 0.861 | 13.4 | 125 | 0.206 | 15.4 | 13.4 | 12.3 | 57.4 | 17.8 | 14.3 | 13.4 | 1.30 | 1.51 | 1.51 | 941 | 5393 | 23.7 | 15.9 | 128 | 0.966 | 963 |
| 1400S200-97 | 15.9 | 2.583 | 345 | 9.52 | 1.21 | 18.7 | 124 | 0.273 | 15.0 | 39.4 | 18.0 | 91.4 | 28.4 | 24.1 | 39.4 | 1.83 | 2.00 | 2.01 | 2699 | 7292 | 23.0 | 15.5 | 127 | 0.967 | 947 |
| 1400S250-68 | 15.9 | 1.811 | 345 | 7.12 | 0.907 | 14.9 | 128 | 0.360 | 19.9 | 13.4 | 13.5 | 58.1 | 18.0 | 15.5 | 13.4 | 1.81 | 2.15 | 1.99 | 992 | 9162 | 31.9 | 21.0 | 134 | 0.943 | 1201 |
| 1400S250-97 | 15.9 | 2.583 | 345 | 10.0 | 1.28 | 20.7 | 127 | 0.483 | 19.4 | 39.4 | 20.1 | 98.5 | 30.5 | 25.9 | 39.4 | 2.58 | 2.88 | 2.90 | 2845 | 12492 | 31.1 | 20.6 | 132 | 0.945 | 1186 |
| 1400S300-68 | 15.9 | 1.811 | 345 | 7.48 | 0.953 | 16.3 | 131 | 0.570 | 24.5 | 13.4 | 14.3 | 59.8 | 18.6 | 16.2 | 13.4 | 2.39 | 2.88 | 2.40 | 1042 | 14171 | 40.7 | 26.4 | 139 | 0.915 | 1435 |
| 1400S300-97 | 15.9 | 2.583 | 345 | 10.6 | 1.34 | 22.8 | 130 | 0.772 | 24.0 | 39.4 | 21.7 | 104 | 32.4 | 27.1 | 39.4 | 3.44 | 3.89 | 3.74 | 2991 | 19433 | 39.8 | 25.9 | 138 | 0.917 | 1420 |

* Cold work of forming applies

Track Section Properties

Table Notes

- 1 Track web depths are equal to the nominal stud depth plus 2 times the design thickness plus the inside bend radius.
- 2 If present, hems are ignored.

| Track Designation | Base Design Thickness (mm) | F _y (MPa) | GROSS | | | | | | | EFFECTIVE | | | TORSIONAL | | | | | | L _u (mm) |
|-------------------|----------------------------|----------------------|-------------|--------------------------------|--|---------------------|--|---------------------|----------------------|---|---|------------------------|----------------------|--|---------------------|--------|---------------------|-------|---------------------|
| | | | Mass (kg/m) | Area (E+03) (mm ²) | I _x (E+06) (mm ⁴) | r _x (mm) | I _y (E+06) (mm ⁴) | r _y (mm) | V _{rg} (kN) | I _{xd} (E+06) (mm ⁴) | S _{xe} (E+03) (mm ³) | M _{rx} (kN-m) | J (mm ⁴) | C _w (E+06) (mm ⁶) | x _o (mm) | m (mm) | r _o (mm) | β | |
| 162T125-18 | 0.478 | 230 | 0.393 | 0.0501 | 0.0174 | 18.6 | 0.00545 | 10.4 | 1.72 | 0.0122 | 0.413 | 0.0844 | 3.81 | 1.88 | 22.3 | 12.8 | 30.7 | 0.479 | 645 |
| 250T125-18 | 0.478 | 230 | 0.476 | 0.0607 | 0.0433 | 26.7 | 0.00624 | 10.2 | 1.39 | 0.0319 | 0.726 | 0.149 | 4.61 | 4.84 | 19.5 | 11.7 | 34.5 | 0.682 | 653 |
| 362T125-18 | 0.478 | 230 | 0.583 | 0.0743 | 0.0990 | 36.5 | 0.00695 | 9.65 | 0.947 | 0.0733 | 1.04 | 0.214 | 5.65 | 11.2 | 16.9 | 10.5 | 41.4 | 0.833 | 653 |
| 362T125-33 | 0.879 | 230 | 1.07 | 0.137 | 0.182 | 36.5 | 0.0125 | 9.58 | 5.82 | 0.159 | 2.85 | 0.584 | 35.2 | 20.3 | 16.7 | 10.4 | 41.4 | 0.836 | 653 |
| 362T125-43 | 1.146 | 230 | 1.40 | 0.178 | 0.238 | 36.6 | 0.0161 | 9.53 | 9.89 | 0.219 | 4.01 | 0.822 | 77.8 | 26.3 | 16.6 | 10.3 | 41.1 | 0.838 | 653 |
| 362T125-54 | 1.438 | 345 | 1.75 | 0.223 | 0.301 | 36.7 | 0.0200 | 9.47 | 19.2 | 0.279 | 5.11 | 1.59 | 154 | 33.1 | 16.5 | 10.3 | 41.4 | 0.841 | 531 |
| 362T125-68 | 1.811 | 345 | 2.21 | 0.281 | 0.383 | 36.9 | 0.0248 | 9.40 | 26.8 | 0.375 | 6.99 | 2.17 | 307 | 41.9 | 16.3 | 10.1 | 41.4 | 0.846 | 533 |
| 362T125-97 | 2.583 | 345 | 3.14 | 0.400 | 0.559 | 37.4 | 0.0342 | 9.25 | 37.7 | 0.559 | 11.1 | 3.43 | 891 | 60.6 | 15.9 | 9.9 | 41.7 | 0.854 | 544 |
| 362T150-33 | 0.879 | 230 | 1.16 | 0.148 | 0.208 | 37.5 | 0.0208 | 11.9 | 5.83 | 0.170 | 2.95 | 0.606 | 38.0 | 33.2 | 21.7 | 13.3 | 45.0 | 0.766 | 785 |
| 362T150-43 | 1.146 | 230 | 1.51 | 0.192 | 0.271 | 37.5 | 0.0268 | 11.8 | 9.92 | 0.236 | 4.18 | 0.856 | 84.2 | 43.1 | 21.6 | 13.2 | 45.0 | 0.768 | 787 |
| 362T150-54 | 1.438 | 345 | 1.90 | 0.241 | 0.343 | 37.7 | 0.0333 | 11.8 | 19.2 | 0.302 | 5.33 | 1.66 | 166 | 54.3 | 21.4 | 13.1 | 45.0 | 0.772 | 640 |
| 362T150-68 | 1.811 | 345 | 2.39 | 0.304 | 0.437 | 37.9 | 0.0414 | 11.7 | 26.8 | 0.409 | 7.36 | 2.28 | 332 | 69.1 | 21.2 | 13.0 | 45.0 | 0.777 | 643 |
| 362T150-97 | 2.583 | 345 | 3.40 | 0.434 | 0.639 | 38.4 | 0.0575 | 11.5 | 37.7 | 0.639 | 12.0 | 3.73 | 964 | 100 | 20.8 | 12.7 | 45.2 | 0.787 | 655 |
| 362T200-33 | 0.879 | 230 | 1.33 | 0.170 | 0.258 | 38.9 | 0.0456 | 16.4 | 5.83 | 0.191 | 3.11 | 0.638 | 43.8 | 72.3 | 32.3 | 19.2 | 53.1 | 0.631 | 1041 |
| 362T200-43 | 1.146 | 230 | 1.74 | 0.221 | 0.336 | 39.0 | 0.0591 | 16.3 | 9.92 | 0.266 | 4.42 | 0.907 | 96.9 | 93.9 | 32.1 | 19.1 | 53.1 | 0.633 | 1044 |
| 362T200-54 | 1.438 | 345 | 2.18 | 0.278 | 0.426 | 39.1 | 0.0736 | 16.3 | 19.2 | 0.341 | 5.65 | 1.76 | 192 | 119 | 32.0 | 19.0 | 53.1 | 0.638 | 848 |
| 362T200-68 | 1.811 | 345 | 2.75 | 0.350 | 0.544 | 39.4 | 0.0918 | 16.2 | 26.8 | 0.466 | 7.87 | 2.44 | 383 | 151 | 31.8 | 18.9 | 53.1 | 0.643 | 853 |
| 362T200-97 | 2.583 | 345 | 3.92 | 0.499 | 0.798 | 40.0 | 0.128 | 16.1 | 37.7 | 0.756 | 13.2 | 4.09 | 1110 | 222 | 31.3 | 18.6 | 53.3 | 0.655 | 871 |
| 362T300-33 | 0.879 | 230 | 1.69 | 0.215 | 0.358 | 40.8 | 0.136 | 25.2 | 5.82 | 0.222 | 3.23 | 0.661 | 55.3 | 218 | 54.8 | 31.3 | 72.9 | 0.434 | 1527 |
| 362T300-43 | 1.146 | 230 | 2.20 | 0.280 | 0.468 | 40.9 | 0.177 | 25.1 | 9.89 | 0.313 | 4.75 | 0.973 | 122 | 283 | 54.7 | 31.3 | 72.6 | 0.435 | 1534 |
| 362T300-54 | 1.438 | 345 | 2.75 | 0.351 | 0.593 | 41.1 | 0.221 | 25.1 | 19.2 | 0.402 | 6.08 | 1.89 | 242 | 359 | 54.5 | 31.2 | 72.6 | 0.439 | 1247 |
| 362T300-68 | 1.811 | 345 | 3.47 | 0.442 | 0.759 | 41.4 | 0.277 | 25.0 | 26.8 | 0.556 | 8.51 | 2.64 | 483 | 459 | 54.3 | 31.0 | 72.6 | 0.443 | 1257 |
| 362T300-97 | 2.583 | 345 | 4.95 | 0.630 | 1.12 | 42.1 | 0.390 | 24.9 | 37.7 | 0.924 | 14.5 | 4.51 | 1401 | 676 | 53.7 | 30.7 | 72.6 | 0.453 | 1280 |
| 400T125-18 | 0.478 | 230 | 0.619 | 0.079 | 0.124 | 39.6 | 0.00712 | 9.50 | 0.859 | 0.0897 | 1.15 | 0.235 | 6.00 | 14.0 | 16.2 | 10.2 | 43.9 | 0.864 | 650 |
| 400T125-33 | 0.879 | 230 | 1.14 | 0.145 | 0.228 | 39.7 | 0.0129 | 9.42 | 5.34 | 0.200 | 3.29 | 0.674 | 37.3 | 25.4 | 16.0 | 10.1 | 43.9 | 0.867 | 650 |
| 400T125-43 | 1.146 | 230 | 1.48 | 0.189 | 0.298 | 39.7 | 0.0166 | 9.37 | 9.89 | 0.275 | 4.62 | 0.945 | 82.6 | 32.8 | 15.9 | 10.0 | 43.7 | 0.868 | 650 |
| 400T125-54 | 1.438 | 345 | 1.86 | 0.237 | 0.376 | 39.9 | 0.0205 | 9.32 | 19.2 | 0.351 | 5.88 | 1.82 | 163 | 41.3 | 15.8 | 9.9 | 43.9 | 0.871 | 528 |
| 400T125-68 | 1.811 | 345 | 2.34 | 0.298 | 0.479 | 40.1 | 0.0254 | 9.25 | 29.6 | 0.469 | 8.00 | 2.48 | 326 | 52.2 | 15.6 | 9.8 | 43.9 | 0.874 | 531 |
| 400T125-97 | 2.583 | 345 | 3.34 | 0.425 | 0.696 | 40.5 | 0.0350 | 9.09 | 41.8 | 0.696 | 12.6 | 3.91 | 945 | 75.1 | 15.2 | 9.6 | 44.2 | 0.881 | 536 |
| 400T150-33 | 0.879 | 230 | 1.23 | 0.156 | 0.259 | 40.7 | 0.0214 | 11.7 | 5.34 | 0.214 | 3.41 | 0.699 | 40.2 | 41.5 | 20.9 | 12.9 | 47.2 | 0.805 | 782 |
| 400T150-43 | 1.146 | 230 | 1.60 | 0.203 | 0.338 | 40.7 | 0.0276 | 11.6 | 9.92 | 0.296 | 4.80 | 0.984 | 89.0 | 53.8 | 20.8 | 12.8 | 47.2 | 0.807 | 785 |
| 400T150-54 | 1.438 | 345 | 2.00 | 0.255 | 0.427 | 40.9 | 0.0342 | 11.6 | 19.2 | 0.378 | 6.13 | 1.90 | 176 | 67.8 | 20.6 | 12.7 | 47.2 | 0.810 | 638 |
| 400T150-68 | 1.811 | 345 | 2.52 | 0.321 | 0.544 | 41.1 | 0.0425 | 11.5 | 29.6 | 0.510 | 8.41 | 2.61 | 351 | 86.0 | 20.4 | 12.6 | 47.2 | 0.814 | 640 |
| 400T150-97 | 2.583 | 345 | 3.59 | 0.458 | 0.792 | 41.6 | 0.0590 | 11.4 | 41.8 | 0.792 | 13.6 | 4.23 | 1018 | 124 | 20.0 | 12.4 | 47.5 | 0.823 | 650 |

| Track Designation | Base Design Thickness (mm) | F _y (MPa) | GROSS | | | | | | | EFFECTIVE | | | TORSIONAL | | | | | | L _u (mm) |
|-------------------|----------------------------|----------------------|-------------|--------------------------------|--|---------------------|--|---------------------|----------------------|---|---|------------------------|----------------------|--|---------------------|--------|---------------------|-------|---------------------|
| | | | Mass (kg/m) | Area (E+03) (mm ²) | I _x (E+06) (mm ⁴) | r _x (mm) | I _y (E+06) (mm ⁴) | r _y (mm) | V _{rg} (kN) | I _{xd} (E+06) (mm ⁴) | S _{xe} (E+03) (mm ³) | M _{rx} (kN-m) | J (mm ⁴) | C _w (E+06) (mm ⁶) | x _o (mm) | m (mm) | r _o (mm) | β | |
| 400T200-33 | 0.879 | 230 | 1.40 | 0.179 | 0.320 | 42.3 | 0.0470 | 16.2 | 5.34 | 0.239 | 3.61 | 0.738 | 46.0 | 90.3 | 31.2 | 18.7 | 55.1 | 0.479 | 1041 |
| 400T200-43 | 1.146 | 230 | 1.82 | 0.232 | 0.417 | 42.4 | 0.0608 | 16.2 | 9.92 | 0.333 | 5.10 | 1.04 | 102 | 117 | 31.1 | 18.6 | 54.9 | 0.680 | 1044 |
| 400T200-54 | 1.438 | 345 | 2.29 | 0.292 | 0.528 | 42.5 | 0.0758 | 16.1 | 19.2 | 0.426 | 6.51 | 2.02 | 201 | 148 | 30.9 | 18.5 | 55.1 | 0.684 | 848 |
| 400T200-68 | 1.811 | 345 | 2.88 | 0.367 | 0.673 | 42.8 | 0.0945 | 16.1 | 29.6 | 0.579 | 9.00 | 2.79 | 402 | 188 | 30.7 | 18.4 | 55.1 | 0.689 | 853 |
| 400T200-97 | 2.583 | 345 | 4.11 | 0.523 | 0.984 | 43.4 | 0.132 | 15.9 | 41.8 | 0.933 | 14.9 | 4.63 | 1164 | 275 | 30.3 | 18.2 | 55.1 | 0.699 | 866 |
| 400T300-33 | 0.879 | 230 | 1.75 | 0.223 | 0.441 | 44.5 | 0.141 | 25.1 | 5.34 | 0.279 | 3.58 | 0.732 | 57.4 | 271 | 53.4 | 30.8 | 73.9 | 0.478 | 1534 |
| 400T300-43 | 1.146 | 230 | 2.28 | 0.291 | 0.576 | 44.5 | 0.183 | 25.1 | 9.89 | 0.391 | 5.47 | 1.12 | 127 | 352 | 53.3 | 30.7 | 73.9 | 0.479 | 1539 |
| 400T300-54 | 1.438 | 345 | 2.86 | 0.365 | 0.730 | 44.7 | 0.228 | 25.0 | 19.2 | 0.501 | 6.99 | 2.17 | 251 | 446 | 53.1 | 30.6 | 73.9 | 0.482 | 1252 |
| 400T300-68 | 1.811 | 345 | 3.60 | 0.459 | 0.932 | 45.1 | 0.286 | 24.9 | 29.6 | 0.689 | 9.73 | 3.02 | 502 | 570 | 52.9 | 30.5 | 73.7 | 0.487 | 1260 |
| 400T300-97 | 2.583 | 345 | 5.14 | 0.655 | 1.37 | 45.7 | 0.403 | 24.8 | 41.8 | 1.14 | 16.5 | 5.11 | 1456 | 835 | 52.3 | 30.2 | 73.7 | 0.497 | 1280 |
| 600T125-18 | 0.478 | 230 | 0.810 | 0.103 | 0.323 | 56.0 | 0.00778 | 8.69 | 0.569 | 0.205 | 1.69 | 0.346 | 7.84 | 35.2 | 13.3 | 8.66 | 58.2 | 0.948 | 632 |
| 600T125-33 | 0.879 | 230 | 1.49 | 0.190 | 0.594 | 56.0 | 0.0141 | 8.61 | 3.54 | 0.500 | 4.86 | 0.996 | 48.8 | 63.8 | 13.1 | 8.56 | 58.2 | 0.949 | 630 |
| 600T125-43 | 1.146 | 230 | 1.94 | 0.247 | 0.775 | 56.0 | 0.0181 | 8.56 | 7.82 | 0.715 | 7.55 | 1.55 | 108 | 82.4 | 13.0 | 8.51 | 58.2 | 0.950 | 627 |
| 600T125-54 | 1.438 | 345 | 2.43 | 0.310 | 0.976 | 56.1 | 0.0224 | 8.51 | 15.5 | 0.912 | 9.70 | 3.01 | 214 | 103 | 12.9 | 8.43 | 58.2 | 0.951 | 511 |
| 600T125-68 | 1.811 | 345 | 3.06 | 0.390 | 1.24 | 56.3 | 0.0278 | 8.43 | 30.4 | 1.21 | 14.1 | 4.36 | 427 | 130 | 12.8 | 8.36 | 58.4 | 0.952 | 508 |
| 600T125-97 | 2.583 | 345 | 4.37 | 0.556 | 1.78 | 56.6 | 0.0383 | 8.31 | 61.9 | 1.78 | 22.1 | 6.85 | 1237 | 184 | 12.5 | 8.15 | 58.7 | 0.955 | 511 |
| 600T150-33 | 0.879 | 230 | 1.58 | 0.201 | 0.662 | 57.4 | 0.0236 | 10.8 | 3.56 | 0.528 | 4.97 | 1.02 | 51.7 | 105 | 17.4 | 11.2 | 61.0 | 0.919 | 767 |
| 600T150-43 | 1.146 | 230 | 2.05 | 0.261 | 0.862 | 57.4 | 0.0304 | 10.8 | 7.83 | 0.760 | 7.77 | 1.59 | 114 | 135 | 17.3 | 11.1 | 61.0 | 0.920 | 767 |
| 600T150-54 | 1.438 | 345 | 2.58 | 0.328 | 1.09 | 57.6 | 0.0378 | 10.7 | 15.5 | 0.971 | 9.98 | 3.10 | 226 | 170 | 17.1 | 11.0 | 61.0 | 0.921 | 622 |
| 600T150-68 | 1.811 | 345 | 3.24 | 0.414 | 1.38 | 57.7 | 0.0469 | 10.6 | 30.5 | 1.30 | 14.6 | 4.53 | 452 | 214 | 17.0 | 10.9 | 61.2 | 0.923 | 622 |
| 600T150-97 | 2.583 | 345 | 4.62 | 0.589 | 1.99 | 58.1 | 0.0650 | 10.5 | 62.0 | 1.99 | 23.7 | 7.34 | 1310 | 305 | 16.7 | 10.7 | 61.5 | 0.926 | 625 |
| 600T200-33 | 0.879 | 230 | 1.75 | 0.223 | 0.796 | 59.7 | 0.0526 | 15.3 | 3.56 | 0.624 | 5.46 | 1.12 | 57.4 | 227 | 26.6 | 16.6 | 67.1 | 0.843 | 1039 |
| 600T200-43 | 1.146 | 230 | 2.28 | 0.291 | 1.04 | 59.8 | 0.0680 | 15.3 | 7.83 | 0.857 | 9.26 | 1.89 | 127 | 295 | 26.5 | 16.6 | 67.1 | 0.844 | 1039 |
| 600T200-54 | 1.438 | 345 | 2.86 | 0.365 | 1.31 | 59.9 | 0.0847 | 15.2 | 15.5 | 1.09 | 11.7 | 3.65 | 251 | 371 | 26.4 | 16.5 | 67.3 | 0.846 | 843 |
| 600T200-68 | 1.811 | 345 | 3.60 | 0.459 | 1.66 | 60.1 | 0.106 | 15.2 | 30.5 | 1.46 | 15.9 | 4.95 | 502 | 469 | 26.2 | 16.4 | 67.3 | 0.849 | 846 |
| 600T200-97 | 2.583 | 345 | 5.14 | 0.655 | 2.40 | 60.6 | 0.148 | 15.0 | 62.0 | 2.29 | 25.7 | 7.97 | 1456 | 674 | 25.8 | 16.1 | 67.6 | 0.854 | 848 |
| 600T300-33 | 0.879 | 230 | 2.10 | 0.268 | 1.07 | 63.1 | 0.160 | 24.4 | 3.54 | 0.678 | 5.42 | 1.11 | 68.9 | 677 | 47.1 | 28.2 | 82.3 | 0.674 | 1557 |
| 600T300-43 | 1.146 | 230 | 2.74 | 0.349 | 1.39 | 63.1 | 0.207 | 24.4 | 7.82 | 0.995 | 9.10 | 1.86 | 153 | 880 | 46.9 | 28.2 | 82.3 | 0.675 | 1560 |
| 600T300-54 | 1.438 | 345 | 3.44 | 0.438 | 1.75 | 63.3 | 0.259 | 24.3 | 15.5 | 1.27 | 11.8 | 3.67 | 302 | 1109 | 46.8 | 28.1 | 82.3 | 0.677 | 1267 |
| 600T300-68 | 1.811 | 345 | 4.33 | 0.551 | 2.23 | 63.6 | 0.324 | 24.2 | 30.4 | 1.71 | 17.3 | 5.35 | 603 | 1407 | 46.6 | 27.9 | 82.6 | 0.681 | 1270 |
| 600T300-97 | 2.583 | 345 | 6.17 | 0.786 | 3.23 | 64.1 | 0.456 | 24.1 | 61.9 | 2.74 | 28.2 | 8.76 | 1748 | 2036 | 46.1 | 27.7 | 82.6 | 0.688 | 1280 |
| 800T125-43 | 1.146 | 230 | 2.40 | 0.305 | 1.57 | 71.7 | 0.0191 | 7.90 | 5.87 | 1.39 | 10.5 | 2.15 | 134 | 158 | 11.1 | 7.42 | 72.9 | 0.977 | 605 |
| 800T125-54 | 1.438 | 345 | 3.01 | 0.383 | 1.98 | 71.8 | 0.0236 | 7.85 | 11.6 | 1.77 | 13.5 | 4.19 | 264 | 197 | 11.0 | 7.34 | 73.2 | 0.977 | 490 |
| 800T125-68 | 1.811 | 345 | 3.79 | 0.483 | 2.50 | 72.0 | 0.0293 | 7.80 | 23.3 | 2.43 | 19.9 | 6.18 | 527 | 247 | 10.8 | 7.26 | 73.2 | 0.978 | 488 |
| 800T125-97 | 2.583 | 345 | 5.40 | 0.688 | 3.59 | 72.2 | 0.0402 | 7.65 | 62.0 | 3.59 | 33.8 | 10.5 | 1529 | 348 | 10.6 | 7.09 | 73.4 | 0.979 | 485 |

| Track Designation | Base Design Thickness (mm) | F _y (MPa) | GROSS | | | | | | | EFFECTIVE | | | TORSIONAL | | | | | | L _u (mm) |
|-------------------|----------------------------|----------------------|-------------|--------------------------------|--|---------------------|--|---------------------|----------------------|---|---|------------------------|----------------------|--|---------------------|--------|---------------------|-------|---------------------|
| | | | Mass (kg/m) | Area (E+03) (mm ²) | I _x (E+06) (mm ⁴) | r _x (mm) | I _y (E+06) (mm ⁴) | r _y (mm) | V _{rg} (kN) | I _{xd} (E+06) (mm ⁴) | S _{xe} (E+03) (mm ³) | M _{rx} (kN-m) | J (mm ⁴) | C _w (E+06) (mm ⁶) | x _o (mm) | m (mm) | r _o (mm) | β | |
| 800T150-43 | 1.146 | 230 | 2.51 | 0.320 | 1.72 | 73.4 | 0.0322 | 10.0 | 5.87 | 1.47 | 10.7 | 2.20 | 140 | 261 | 14.8 | 9.80 | 75.7 | 0.479 | 744 |
| 800T150-54 | 1.438 | 345 | 3.15 | 0.401 | 2.17 | 73.6 | 0.0400 | 9.98 | 11.6 | 1.87 | 13.8 | 4.29 | 276 | 326 | 14.7 | 9.73 | 75.7 | 0.962 | 605 |
| 800T150-68 | 1.811 | 345 | 3.97 | 0.505 | 2.74 | 73.7 | 0.0497 | 9.91 | 23.3 | 2.58 | 20.6 | 6.38 | 552 | 410 | 14.6 | 9.63 | 75.7 | 0.963 | 602 |
| 800T150-97 | 2.583 | 345 | 5.65 | 0.720 | 3.95 | 74.0 | 0.0688 | 9.78 | 62.0 | 3.95 | 35.9 | 11.1 | 1602 | 581 | 14.3 | 9.45 | 75.9 | 0.965 | 602 |
| 800T200-43 | 1.146 | 230 | 2.74 | 0.349 | 2.03 | 76.4 | 0.0728 | 14.5 | 5.87 | 1.59 | 11.1 | 2.27 | 153 | 570 | 23.2 | 14.9 | 81.0 | 0.918 | 1024 |
| 800T200-54 | 1.438 | 345 | 3.44 | 0.438 | 2.56 | 76.5 | 0.0907 | 14.4 | 11.6 | 2.03 | 14.3 | 4.43 | 302 | 715 | 23.1 | 14.8 | 81.3 | 0.919 | 831 |
| 800T200-68 | 1.811 | 345 | 4.33 | 0.551 | 3.24 | 76.7 | 0.113 | 14.3 | 23.3 | 2.83 | 21.5 | 6.66 | 603 | 901 | 22.9 | 14.7 | 81.3 | 0.921 | 831 |
| 800T200-97 | 2.583 | 345 | 6.17 | 0.786 | 4.67 | 77.1 | 0.158 | 14.2 | 62.0 | 4.48 | 38.5 | 11.9 | 1748 | 1287 | 22.6 | 14.5 | 81.5 | 0.923 | 831 |
| 800T300-43 | 1.146 | 230 | 3.20 | 0.407 | 2.65 | 80.7 | 0.225 | 23.5 | 5.85 | 1.91 | 12.1 | 2.47 | 178 | 1700 | 42.1 | 26.0 | 94.0 | 0.800 | 1560 |
| 800T300-54 | 1.438 | 345 | 4.01 | 0.511 | 3.34 | 80.9 | 0.281 | 23.4 | 11.6 | 2.46 | 15.7 | 4.86 | 352 | 2138 | 42.0 | 25.9 | 94.0 | 0.801 | 1267 |
| 800T300-68 | 1.811 | 345 | 5.05 | 0.643 | 4.23 | 81.1 | 0.351 | 23.4 | 23.2 | 3.35 | 25.4 | 7.87 | 703 | 2703 | 41.8 | 25.8 | 94.2 | 0.803 | 1267 |
| 800T300-97 | 2.583 | 345 | 7.20 | 0.917 | 6.11 | 81.6 | 0.494 | 23.2 | 61.9 | 5.27 | 42.4 | 13.1 | 2040 | 3886 | 41.4 | 25.6 | 94.5 | 0.808 | 1273 |
| 1000T125-54 | 1.438 | 345 | 3.58 | 0.456 | 3.47 | 87.2 | 0.0244 | 7.32 | 9.25 | 2.97 | 17.3 | 5.36 | 314 | 326 | 9.55 | 6.50 | 88.1 | 0.988 | 470 |
| 1000T125-68 | 1.811 | 345 | 4.51 | 0.574 | 4.38 | 87.3 | 0.0303 | 7.26 | 18.5 | 4.10 | 25.8 | 8.01 | 628 | 407 | 9.45 | 6.43 | 88.1 | 0.989 | 467 |
| 1000T125-97 | 2.583 | 345 | 6.43 | 0.819 | 6.28 | 87.6 | 0.0416 | 7.14 | 54.1 | 6.28 | 45.1 | 14.0 | 1821 | 570 | 9.22 | 6.27 | 88.4 | 0.989 | 465 |
| 1000T150-54 | 1.438 | 345 | 3.72 | 0.474 | 3.77 | 89.2 | 0.0415 | 9.35 | 9.25 | 3.11 | 17.7 | 5.48 | 327 | 541 | 12.9 | 8.69 | 90.7 | 0.980 | 584 |
| 1000T150-68 | 1.811 | 345 | 4.69 | 0.597 | 4.76 | 89.3 | 0.0516 | 9.30 | 18.5 | 4.33 | 26.6 | 8.24 | 653 | 677 | 12.8 | 8.61 | 90.7 | 0.980 | 584 |
| 1000T150-97 | 2.583 | 345 | 6.68 | 0.852 | 6.83 | 89.6 | 0.0714 | 9.17 | 54.1 | 6.83 | 47.6 | 14.8 | 1894 | 955 | 12.6 | 8.43 | 90.9 | 0.981 | 582 |
| 1000T200-54 | 1.438 | 345 | 4.01 | 0.511 | 4.38 | 92.6 | 0.0949 | 13.6 | 9.25 | 3.34 | 18.2 | 5.65 | 352 | 1191 | 20.5 | 13.5 | 95.8 | 0.954 | 813 |
| 1000T200-68 | 1.811 | 345 | 5.05 | 0.643 | 5.53 | 92.7 | 0.118 | 13.6 | 18.5 | 4.70 | 27.6 | 8.56 | 703 | 1497 | 20.4 | 13.4 | 96.0 | 0.955 | 813 |
| 1000T200-97 | 2.583 | 345 | 7.20 | 0.917 | 7.94 | 93.1 | 0.165 | 13.4 | 54.1 | 7.65 | 50.5 | 15.7 | 2040 | 2128 | 20.1 | 13.2 | 96.3 | 0.956 | 810 |
| 1000T300-54 | 1.438 | 345 | 4.58 | 0.584 | 5.59 | 97.8 | 0.297 | 22.6 | 9.25 | 3.90 | 19.5 | 6.05 | 402 | 3569 | 38.1 | 24.1 | 107 | 0.874 | 1260 |
| 1000T300-68 | 1.811 | 345 | 5.77 | 0.735 | 7.07 | 98.0 | 0.372 | 22.5 | 18.5 | 5.72 | 31.2 | 9.67 | 804 | 4504 | 37.9 | 24.0 | 107 | 0.876 | 1260 |
| 1000T300-97 | 2.583 | 345 | 8.23 | 1.05 | 10.2 | 98.5 | 0.523 | 22.4 | 54.0 | 8.89 | 58.8 | 18.2 | 2332 | 6447 | 37.5 | 23.7 | 108 | 0.879 | 1260 |
| 1200T125-68 | 1.811 | 345 | 5.23 | 0.666 | 7.00 | 103 | 0.0310 | 6.81 | 15.4 | 6.29 | 31.7 | 9.83 | 728 | 610 | 8.36 | 5.77 | 103 | 0.993 | 450 |
| 1200T125-97 | 2.583 | 345 | 7.46 | 0.950 | 10.0 | 103 | 0.0426 | 6.71 | 45.0 | 9.81 | 56.4 | 17.5 | 2113 | 852 | 8.18 | 5.64 | 103 | 0.994 | 447 |
| 1200T150-68 | 1.811 | 345 | 5.41 | 0.689 | 7.55 | 105 | 0.0530 | 8.76 | 15.4 | 6.60 | 32.6 | 10.1 | 754 | 1019 | 11.4 | 7.80 | 106 | 0.988 | 564 |
| 1200T150-97 | 2.583 | 345 | 7.71 | 0.983 | 10.8 | 105 | 0.0734 | 8.64 | 45.0 | 10.6 | 59.3 | 18.4 | 2186 | 1433 | 11.2 | 7.65 | 106 | 0.989 | 561 |
| 1200T200-68 | 1.811 | 345 | 5.77 | 0.735 | 8.65 | 108 | 0.122 | 12.9 | 15.4 | 7.11 | 33.7 | 10.5 | 804 | 2264 | 18.4 | 12.3 | 111 | 0.972 | 792 |
| 1200T200-97 | 2.583 | 345 | 8.23 | 1.05 | 12.4 | 109 | 0.171 | 12.8 | 45.0 | 11.7 | 62.6 | 19.4 | 2332 | 3208 | 18.1 | 12.1 | 111 | 0.973 | 790 |
| 1200T300-68 | 1.811 | 345 | 6.49 | 0.827 | 10.9 | 115 | 0.388 | 21.6 | 15.4 | 7.92 | 35.0 | 10.9 | 904 | 6840 | 34.8 | 22.4 | 122 | 0.918 | 1245 |
| 1200T300-97 | 2.583 | 345 | 9.26 | 1.18 | 15.6 | 115 | 0.546 | 21.5 | 44.9 | 13.4 | 66.4 | 20.6 | 2624 | 9763 | 34.4 | 22.1 | 122 | 0.920 | 1245 |
| 1400T125-68 | 1.811 | 345 | 5.95 | 0.758 | 10.5 | 118 | 0.0315 | 6.45 | 13.2 | 9.00 | 37.6 | 11.7 | 829 | 856 | 7.52 | 5.23 | 118 | 0.996 | 434 |
| 1400T125-97 | 2.583 | 345 | 8.49 | 1.08 | 15.0 | 118 | 0.0433 | 6.32 | 38.5 | 14.2 | 67.7 | 21.0 | 2405 | 1194 | 7.34 | 5.11 | 118 | 0.996 | 429 |
| 1400T150-68 | 1.811 | 345 | 6.13 | 0.781 | 11.2 | 120 | 0.0541 | 8.33 | 13.2 | 9.41 | 38.5 | 12.0 | 854 | 1436 | 10.3 | 7.11 | 121 | 0.993 | 546 |
| 1400T150-97 | 2.583 | 345 | 8.74 | 1.11 | 16.1 | 120 | 0.0748 | 8.20 | 38.5 | 15.3 | 71.0 | 22.0 | 2478 | 2015 | 10.1 | 6.99 | 121 | 0.993 | 541 |
| 1400T200-68 | 1.811 | 345 | 6.49 | 0.827 | 12.7 | 124 | 0.125 | 12.3 | 13.2 | 10.1 | 39.9 | 12.4 | 904 | 3207 | 16.8 | 11.3 | 126 | 0.982 | 775 |
| 1400T200-97 | 2.583 | 345 | 9.26 | 1.18 | 18.2 | 124 | 0.175 | 12.2 | 38.5 | 16.8 | 74.7 | 23.2 | 2624 | 4534 | 16.5 | 11.2 | 126 | 0.983 | 770 |
| 1400T300-68 | 1.811 | 345 | 7.22 | 0.919 | 15.7 | 131 | 0.401 | 20.9 | 13.2 | 11.1 | 41.3 | 12.8 | 1005 | 9736 | 32.1 | 21.0 | 136 | 0.944 | 1229 |
| 1400T300-97 | 2.583 | 345 | 10.3 | 1.31 | 22.5 | 131 | 0.563 | 20.7 | 38.4 | 18.9 | 78.9 | 24.5 | 2916 | 13868 | 31.8 | 20.8 | 136 | 0.946 | 1227 |