

Vedlegg 8

Materialverdier for CLT-elementer

Materialverdiel for CLT-elementer

CLT - Plate 0° (major Axis)

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-------------|------|----|----|----|----|----|----|----|---|
| Name | d | | | | | | | | |
| | [mm] | | | | | | | | |
| 60 L3s | 20 | 20 | 20 | | | | | | |
| 80 L3s | 30 | 20 | 30 | | | | | | |
| 90 L3s | 30 | 30 | 30 | | | | | | |
| 100 L3s | 30 | 40 | 30 | | | | | | |
| 120 L3s | 40 | 40 | 40 | | | | | | |
| 160 L5s - 2 | 30 | 30 | 40 | 30 | 30 | | | | |
| 100 L5s | 20 | 20 | 20 | 20 | 20 | | | | |
| 120 L5s | 30 | 20 | 20 | 20 | 30 | | | | |
| 140 L5s | 40 | 20 | 20 | 20 | 40 | | | | |
| 160 L5s | 40 | 20 | 40 | 20 | 40 | | | | |
| 180 L5s | 40 | 30 | 40 | 30 | 40 | | | | |
| 200 L5s | 40 | 40 | 40 | 40 | 40 | | | | |
| 180 L7s | 30 | 20 | 30 | 20 | 30 | 20 | 30 | | |
| 200 L7s | 20 | 40 | 20 | 40 | 20 | 40 | 20 | | |
| 240 L7s | 30 | 40 | 30 | 40 | 30 | 40 | 30 | | |
| 220 L7s - 2 | 30 | 30 | 30 | 40 | 30 | 30 | 30 | | |
| 240 L7s - 2 | 40 | 40 | 20 | 40 | 20 | 40 | 40 | | |
| 260 L7s - 2 | 40 | 40 | 30 | 40 | 30 | 40 | 40 | | |
| 280 L7s - 2 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | |
| 300 L8s - 2 | 40 | 40 | 30 | 40 | 40 | 30 | 40 | 40 | |
| 320 L8s - 2 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | |
| 60 C3s | 20 | 20 | 20 | | | | | | |
| 80 C3s | 30 | 20 | 30 | | | | | | |
| 90 C3s | 30 | 30 | 30 | | | | | | |
| 100 C3s | 30 | 40 | 30 | | | | | | |
| 120 C3s | 40 | 40 | 40 | | | | | | |
| 100 C5s | 20 | 20 | 20 | 20 | 20 | | | | |
| 120 C5s | 30 | 20 | 20 | 20 | 30 | | | | |
| 140 C5s | 40 | 20 | 20 | 20 | 40 | | | | |
| 160 C5s | 40 | 20 | 40 | 20 | 40 | | | | |

| d brut | A brut | W brut | I brut | i brut |
|--------|--------------------|--------------------|--------------------|--------|
| [mm] | [cm ²] | [cm ³] | [cm ⁴] | [cm] |
| 60 | 600 | 600 | 1.800 | 1,732 |
| 80 | 800 | 1.067 | 4.267 | 2,309 |
| 90 | 900 | 1.350 | 6.075 | 2,598 |
| 100 | 1.000 | 1.667 | 8.333 | 2,887 |
| 120 | 1.200 | 2.400 | 14.400 | 3,464 |
| 160 | 1.600 | 4.267 | 34.133 | 4,619 |
| 100 | 1.000 | 1.667 | 8.333 | 2,887 |
| 120 | 1.200 | 2.400 | 14.400 | 3,464 |
| 140 | 1.400 | 3.267 | 22.867 | 4,041 |
| 160 | 1.600 | 4.267 | 34.133 | 4,619 |
| 180 | 1.800 | 5.400 | 48.600 | 5,196 |
| 200 | 2.000 | 6.667 | 66.667 | 5,774 |
| 180 | 1.800 | 5.400 | 48.600 | 5,196 |
| 200 | 2.000 | 6.667 | 66.667 | 5,774 |
| 240 | 2.400 | 9.600 | 115.200 | 6,928 |
| 220 | 2.200 | 8.067 | 88.733 | 6,351 |
| 240 | 2.400 | 9.600 | 115.200 | 6,928 |
| 260 | 2.600 | 11.267 | 146.467 | 7,506 |
| 280 | 2.800 | 13.067 | 182.933 | 8,083 |
| 300 | 3.000 | 15.000 | 225.000 | 8,660 |
| 320 | 3.200 | 17.067 | 273.067 | 9,238 |
| 60 | 600 | 600 | 1.800 | 1,732 |
| 80 | 800 | 1.067 | 4.267 | 2,309 |
| 90 | 900 | 1.350 | 6.075 | 2,598 |
| 100 | 1.000 | 1.667 | 8.333 | 2,887 |
| 120 | 1.200 | 2.400 | 14.400 | 3,464 |
| 100 | 1.000 | 1.667 | 8.333 | 2,887 |
| 120 | 1.200 | 2.400 | 14.400 | 3,464 |
| 140 | 1.400 | 3.267 | 22.867 | 4,041 |
| 160 | 1.600 | 4.267 | 34.133 | 4,619 |

| Bearing strength (Ultimate limit states) | | | |
|--|----------------------|----------------------|----------------------|
| Bending | Tension | Compression | Shear |
| | | | |
| $F_{x,k}$ | $F_{x,k}$ | $F_{x,k}$ | $F_{y,k}$ |
| [N/mm ²] | [N/mm ²] | [N/mm ²] | [N/mm ²] |
| 23,11 | 9,33 | 14,00 | 1,35 |
| 23,63 | 10,50 | 15,75 | 1,31 |
| 23,11 | 9,33 | 14,00 | 1,25 |
| 22,48 | 8,40 | 12,60 | 1,17 |
| 23,11 | 9,33 | 14,00 | 1,14 |
| 23,63 | 10,50 | 15,75 | 1,10 |
| 19,01 | 8,40 | 12,60 | 1,55 |
| 21,11 | 9,33 | 14,00 | 1,47 |
| 22,18 | 10,00 | 15,00 | 1,42 |
| 21,38 | 10,50 | 15,75 | 1,48 |
| 20,15 | 9,33 | 14,00 | 1,40 |
| 19,01 | 8,40 | 12,60 | 1,30 |
| 18,98 | 9,33 | 14,00 | 1,18 |
| 13,06 | 5,60 | 8,40 | 1,20 |
| 15,50 | 7,00 | 10,50 | 1,18 |
| 21,89 | 10,18 | 15,27 | 1,32 |
| 23,22 | 11,67 | 17,50 | 1,38 |
| 22,72 | 10,77 | 16,15 | 1,28 |
| 22,18 | 10,00 | 15,00 | 1,19 |
| 22,02 | 11,20 | 16,80 | 1,35 |
| 21,38 | 10,50 | 15,75 | 1,25 |
| 23,11 | 9,33 | 14,00 | 1,35 |
| 23,63 | 10,50 | 15,75 | 1,31 |
| 23,11 | 9,33 | 14,00 | 1,25 |
| 22,48 | 8,40 | 12,60 | 1,17 |
| 23,11 | 9,33 | 14,00 | 1,14 |
| 19,01 | 8,40 | 12,60 | 1,55 |
| 21,11 | 9,33 | 14,00 | 1,47 |
| 22,18 | 10,00 | 15,00 | 1,42 |
| 21,38 | 10,50 | 15,75 | 1,48 |

| Deflection/Stiffness (Serviceability limit state) | | | Buckling | |
|---|----------------------|----------------------|------------------------------|-------------------|
| Bending | Tension | Shear | factor for radius of inertia | Shear form factor |
| $E'_{0,mean}$ | $E'_{0,mean}$ | G'_{mean} | k_1 | κ |
| [N/mm ²] | [N/mm ²] | [N/mm ²] | [-] | [-] |
| 12.037 | 8.333 | 88 | 0,832 | 0,155 |
| 12.305 | 9.375 | 107 | 0,873 | 0,169 |
| 12.037 | 8.333 | 88 | 0,832 | 0,155 |
| 11.700 | 7.500 | 79 | 0,801 | 0,152 |
| 12.037 | 8.333 | 88 | 0,832 | 0,155 |
| 12.305 | 9.375 | 107 | 0,873 | 0,169 |
| 9.900 | 7.500 | 96 | 0,870 | 0,184 |
| 10.995 | 8.333 | 102 | 0,871 | 0,178 |
| 11.552 | 8.929 | 109 | 0,879 | 0,179 |
| 11.133 | 9.375 | 132 | 0,918 | 0,208 |
| 10.494 | 8.333 | 108 | 0,891 | 0,189 |
| 9.900 | 7.500 | 96 | 0,870 | 0,184 |
| 8.719 | 8.333 | 116 | 0,978 | 0,203 |
| 6.853 | 5.000 | 78 | 0,854 | 0,212 |
| 8.186 | 6.250 | 88 | 0,874 | 0,198 |
| 11.401 | 9.091 | 117 | 0,893 | 0,188 |
| 12.095 | 10.417 | 158 | 0,928 | 0,226 |
| 11.834 | 9.615 | 126 | 0,901 | 0,194 |
| 11.552 | 8.929 | 109 | 0,879 | 0,179 |
| 11.467 | 10.000 | 155 | 0,934 | 0,229 |
| 11.133 | 9.375 | 132 | 0,918 | 0,208 |
| 12.037 | 8.333 | 88 | 0,832 | 0,155 |
| 12.305 | 9.375 | 107 | 0,873 | 0,169 |
| 12.037 | 8.333 | 88 | 0,832 | 0,155 |
| 11.700 | 7.500 | 79 | 0,801 | 0,152 |
| 12.037 | 8.333 | 88 | 0,832 | 0,155 |
| 9.900 | 7.500 | 96 | 0,870 | 0,184 |
| 10.995 | 8.333 | 102 | 0,871 | 0,178 |
| 11.552 | 8.929 | 109 | 0,879 | 0,179 |
| 11.133 | 9.375 | 132 | 0,918 | 0,208 |

CLT - Plate 90° (minor Axis)

| Table 1. Flat bar (N/mm² class) | | | | | | | | | | Bending strength (N/mm² class) | | | | Compression strength (N/mm² class) | | | | Shear strength (N/mm² class) | | | | Bending stiffness (N/mm² class) | | | | Factor for radius of inertia | | Shear form factor | |
|---------------------------------|------|----|----|----|----|----|----|----|---|--------------------------------|--------|--------|---------|------------------------------------|---------------------|---------------------|---------------------|------------------------------|------------------------|------------------------|------------------------|---------------------------------|---------|---------|---------|------------------------------|--|-------------------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | | | | | | | | | | | | | | | | | |
| Name | d | | | | | | | | | d brut | A brut | W brut | I brut | i brut | F _{m,90,k} | F _{t,90,k} | F _{c,90,k} | F _{v,90,k} | E _{m,90,mean} | E _{t,90,mean} | G _{v,90,mean} | k _{90,j} | κ | | | | | | |
| | [mm] | | | | | | | | | [mm] | [cm²] | [cm³] | [cm4] | [cm] | [N/mm²] | [N/mm²] | [N/mm²] | [N/mm²] | [N/mm²] | [N/mm²] | [N/mm²] | [N/mm²] | [N/mm²] | [N/mm²] | [N/mm²] | | | | |
| 60 L3s | 20 | 20 | 20 | | | | | | | 60 | 600 | 600 | 1.800 | 1.732 | 2.67 | 4.67 | 7.00 | 1.33 | 463 | 4.167 | 230 | 3.000 | 0.833 | | | | | | |
| 80 L3s | 30 | 20 | 30 | | | | | | | 80 | 800 | 1.067 | 4.267 | 2.309 | 1.50 | 3.50 | 5.25 | 1.00 | 195 | 3.125 | 173 | 4.000 | 0.833 | | | | | | |
| 90 L3s | 30 | 30 | 30 | | | | | | | 90 | 900 | 1.350 | 6.075 | 2.598 | 2.67 | 4.67 | 7.00 | 1.23 | 463 | 4.167 | 230 | 3.000 | 0.833 | | | | | | |
| 100 L3s | 30 | 40 | 30 | | | | | | | 100 | 1.000 | 1.667 | 8.333 | 2.887 | 3.84 | 5.60 | 8.40 | 1.34 | 800 | 5.000 | 276 | 2.500 | 0.833 | | | | | | |
| 120 L3s | 40 | 40 | 40 | | | | | | | 120 | 1.200 | 2.400 | 14.400 | 3.464 | 2.67 | 4.67 | 7.00 | 1.12 | 463 | 4.167 | 230 | 3.000 | 0.833 | | | | | | |
| 160 L5s - 2 | 30 | 30 | 40 | 30 | 30 | | | | | 160 | 1.600 | 4.267 | 34.133 | 4.619 | 1.50 | 3.50 | 5.25 | 0.84 | 195 | 3.125 | 173 | 4.000 | 0.833 | | | | | | |
| 100 L5s | 20 | 20 | 20 | 20 | 20 | | | | | 100 | 1.000 | 1.667 | 8.333 | 2.887 | 8.32 | 5.60 | 8.40 | 0.81 | 2.600 | 5.000 | 53 | 1.387 | 0.155 | | | | | | |
| 120 L5s | 30 | 20 | 20 | 20 | 30 | | | | | 120 | 1.200 | 2.400 | 14.400 | 3.464 | 5.78 | 4.67 | 7.00 | 0.88 | 1.505 | 4.167 | 44 | 1.684 | 0.155 | | | | | | |
| 140 L5s | 40 | 20 | 20 | 20 | 40 | | | | | 140 | 1.400 | 3.267 | 22.867 | 4.041 | 4.24 | 4.00 | 6.00 | 0.58 | 948 | 3.571 | 38 | 1.941 | 0.155 | | | | | | |
| 160 L5s | 40 | 20 | 40 | 20 | 40 | | | | | 160 | 1.600 | 4.267 | 34.133 | 4.619 | 5.25 | 3.50 | 5.25 | 0.73 | 1.367 | 3.125 | 35 | 1.512 | 0.159 | | | | | | |
| 180 L5s | 40 | 30 | 40 | 30 | 40 | | | | | 180 | 1.800 | 5.400 | 48.600 | 5.196 | 6.93 | 4.67 | 7.00 | 0.71 | 2.008 | 4.167 | 44 | 1.441 | 0.152 | | | | | | |
| 200 L5s | 40 | 40 | 40 | 40 | 40 | | | | | 200 | 2.000 | 6.667 | 66.667 | 5.774 | 8.32 | 5.60 | 8.40 | 0.68 | 2.600 | 5.000 | 53 | 1.387 | 0.155 | | | | | | |
| 180 L7s | 30 | 20 | 30 | 20 | 30 | 20 | 30 | | | 180 | 1.800 | 5.400 | 48.600 | 5.196 | 7.56 | 4.67 | 7.00 | 1.00 | 2.623 | 4.167 | 55 | 1.260 | 0.187 | | | | | | |
| 200 L7s | 20 | 40 | 20 | 40 | 20 | 40 | 20 | | | 200 | 2.000 | 6.667 | 66.667 | 5.774 | 13.68 | 8.40 | 12.60 | 1.06 | 5.700 | 7.500 | 106 | 1.147 | 0.208 | | | | | | |
| 240 L7s | 30 | 40 | 30 | 40 | 30 | 40 | 30 | | | 240 | 2.400 | 9.600 | 115.200 | 6.928 | 11.33 | 7.00 | 10.50 | 0.98 | 4.427 | 6.250 | 81 | 1.188 | 0.189 | | | | | | |
| 220 L7s - 2 | 30 | 30 | 30 | 40 | 30 | 30 | 30 | | | 220 | 2.200 | 8.067 | 88.733 | 6.351 | 4.64 | 3.82 | 5.73 | 0.58 | 1.099 | 3.409 | 36 | 1.761 | 0.159 | | | | | | |
| 240 L7s - 2 | 40 | 40 | 20 | 40 | 20 | 40 | 40 | | | 240 | 2.400 | 9.600 | 115.200 | 6.928 | 2.33 | 2.33 | 3.50 | 0.49 | 405 | 2.083 | 24 | 2.268 | 0.152 | | | | | | |
| 260 L7s - 2 | 2 | 40 | 40 | 30 | 40 | 30 | 40 | | | 260 | 2.600 | 11.267 | 146.467 | 7.508 | 3.32 | 3.23 | 4.85 | 0.49 | 666 | 2.885 | 30 | 2.082 | 0.152 | | | | | | |
| 280 L7s - 2 | 2 | 40 | 40 | 40 | 40 | 40 | 40 | | | 280 | 2.800 | 13.067 | 182.933 | 8.083 | 4.24 | 4.00 | 6.00 | 0.49 | 948 | 3.571 | 38 | 1.941 | 0.155 | | | | | | |
| 300 L8s - 2 | 2 | 40 | 40 | 40 | 40 | 30 | 40 | 40 | | 300 | 3.000 | 15.000 | 225.000 | 8.660 | 4.25 | 2.80 | 4.20 | 0.65 | 1.033 | 2.500 | 31 | 1.555 | 0.171 | | | | | | |
| 320 L8s - 2 | 2 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | 320 | 3.200 | 17.067 | 273.067 | 9.238 | 5.25 | 3.50 | 5.25 | 0.61 | 1.367 | 3.125 | 35 | 1.512 | 0.159 | | | | | | |
| 60 C3s | 20 | 20 | 20 | | | | | | | 60 | 600 | 600 | 1.800 | 1.732 | 2.67 | 4.67 | 7.00 | 1.33 | 463 | 4.167 | 230 | 3.000 | 0.833 | | | | | | |
| 80 C3s | 30 | 20 | 30 | | | | | | | 80 | 800 | 1.067 | 4.267 | 2.309 | 1.50 | 3.50 | 5.25 | 1.00 | 195 | 3.125 | 173 | 4.000 | 0.833 | | | | | | |
| 90 C3s | 30 | 30 | 30 | | | | | | | 90 | 900 | 1.350 | 6.075 | 2.598 | 2.67 | 4.67 | 7.00 | 1.23 | 463 | 4.167 | 230 | 3.000 | 0.833 | | | | | | |
| 100 C3s | 30 | 40 | 30 | | | | | | | 100 | 1.000 | 1.667 | 8.333 | 2.887 | 3.84 | 5.60 | 8.40 | 1.34 | 800 | 5.000 | 276 | 2.500 | 0.833 | | | | | | |
| 120 C3s | 40 | 40 | 40 | | | | | | | 120 | 1.200 | 2.400 | 14.400 | 3.464 | 2.67 | 4.67 | 7.00 | 1.12 | 463 | 4.167 | 230 | 3.000 | 0.833 | | | | | | |
| 100 C5s | 20 | 20 | 20 | 20 | 20 | | | | | 100 | 1.000 | 1.667 | 8.333 | 2.887 | 8.32 | 5.60 | 8.40 | 0.81 | 2.600 | 5.000 | 53 | 1.387 | 0.155 | | | | | | |
| 120 C5s | 30 | 20 | 20 | 20 | 30 | | | | | 120 | 1.200 | 2.400 | 14.400 | 3.464 | 5.78 | 4.67 | 7.00 | 0.88 | 1.505 | 4.167 | 44 | 1.684 | 0.155 | | | | | | |
| 140 C5s | 40 | 20 | 20 | 20 | 40 | | | | | 140 | 1.400 | 3.267 | 22.867 | 4.041 | 4.24 | 4.00 | 6.00 | 0.58 | 948 | 3.571 | 38 | 1.941 | 0.155 | | | | | | |
| 160 C5s | 40 | 20 | 40 | 20 | 40 | | | | | 160 | 1.600 | 4.267 | 34.133 | 4.619 | 5.25 | 3.50 | 5.25 | 0.73 | 1.367 | 3.125 | 35 | 1.512 | 0.159 | | | | | | |

CLT - Shear panels and deep beams

| Name | d [mm] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | d brut [mm] | A brut [cm²] | Bearing strength (Ultimate limit states) | | | Deflection/Stiffness (Serviceability limit states) | | |
|-------------|-----------|----|----|----|----|----|----|----|---|---|----------------|-----------------|--|---------------------------|------------------------|--|----------------------------|-----------------------|
| | | | | | | | | | | | | | Bending z,0 | Bending z,90 | Shear | Bending z,0 | Bending z,90 | Shear |
| | | | | | | | | | | | | | $f_{m,z,0,k}$ [N/mm²] | $f_{m,z,90,k}$ [N/mm²] | $f_{v,z,k}$ [N/mm²] | $E_{m,0,mean}$ [N/mm²] | $E_{m,90,mean}$ [N/mm²] | G_{mean} [N/mm²] |
| 60 L3s | 20 | 20 | 20 | | | | | | | | 60 | 600 | 16,00 | 8,00 | 2,67 | 8.333 | 4.167 | 518 |
| 80 L3s | 30 | 20 | 30 | | | | | | | | 80 | 800 | 18,00 | 6,00 | 2,00 | 9.375 | 3.125 | 518 |
| 90 L3s | 30 | 30 | 30 | | | | | | | | 90 | 900 | 16,00 | 8,00 | 2,67 | 8.333 | 4.167 | 518 |
| 100 L3s | 30 | 40 | 30 | | | | | | | | 100 | 1.000 | 14,40 | 9,60 | 3,20 | 7.500 | 5.000 | 518 |
| 120 L3s | 40 | 40 | 40 | | | | | | | | 120 | 1.200 | 16,00 | 8,00 | 2,67 | 8.333 | 4.167 | 518 |
| 160 L5s - 2 | 30 | 30 | 40 | 30 | 30 | | | | | | 160 | 1.600 | 18,00 | 6,00 | 2,00 | 9.375 | 3.125 | 518 |
| 100 L5s | 20 | 20 | 20 | 20 | 20 | | | | | | 100 | 1.000 | 14,40 | 9,60 | 3,20 | 7.500 | 5.000 | 518 |
| 120 L5s | 30 | 20 | 20 | 20 | 30 | | | | | | 120 | 1.200 | 16,00 | 8,00 | 2,67 | 8.333 | 4.167 | 518 |
| 140 L5s | 40 | 20 | 20 | 20 | 40 | | | | | | 140 | 1.400 | 17,14 | 6,88 | 2,29 | 8.929 | 3.571 | 518 |
| 160 L5s | 40 | 20 | 40 | 20 | 40 | | | | | | 160 | 1.600 | 18,00 | 6,00 | 2,00 | 9.375 | 3.125 | 518 |
| 180 L5s | 40 | 30 | 40 | 30 | 40 | | | | | | 180 | 1.800 | 16,00 | 8,00 | 2,67 | 8.333 | 4.167 | 518 |
| 200 L5s | 40 | 40 | 40 | 40 | 40 | | | | | | 200 | 2.000 | 14,40 | 9,60 | 3,20 | 7.500 | 5.000 | 518 |
| 180 L7s | 30 | 20 | 30 | 20 | 30 | 20 | 30 | | | | 180 | 1.800 | 16,00 | 8,00 | 2,67 | 8.333 | 4.167 | 518 |
| 200 L7s | 20 | 40 | 20 | 40 | 20 | 40 | 20 | | | | 200 | 2.000 | 9,60 | 14,40 | 3,20 | 5.000 | 7.500 | 518 |
| 240 L7s | 30 | 40 | 30 | 40 | 30 | 40 | 30 | | | | 240 | 2.400 | 12,00 | 12,00 | 3,50 | 6.250 | 6.250 | 518 |
| 220 L7s - 2 | 30 | 30 | 30 | 40 | 30 | 30 | 30 | | | | 220 | 2.200 | 17,45 | 6,55 | 2,18 | 9.091 | 3.409 | 518 |
| 240 L7s - 2 | 40 | 40 | 20 | 40 | 20 | 40 | 40 | | | | 240 | 2.400 | 20,00 | 4,00 | 1,33 | 10.417 | 2.083 | 518 |
| 260 L7s - 2 | 40 | 40 | 30 | 40 | 30 | 40 | 40 | | | | 260 | 2.600 | 18,46 | 5,54 | 1,85 | 9.615 | 2.885 | 518 |
| 280 L7s - 2 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | | | 280 | 2.800 | 17,14 | 6,88 | 2,29 | 8.929 | 3.571 | 518 |
| 300 L8s - 2 | 40 | 40 | 30 | 40 | 40 | 30 | 40 | 40 | | | 300 | 3.000 | 19,20 | 4,80 | 1,60 | 10.000 | 2.500 | 518 |
| 320 L8s - 2 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | | 320 | 3.200 | 18,00 | 6,00 | 2,00 | 9.375 | 3.125 | 518 |
| 60 C3s | 20 | 20 | 20 | | | | | | | | 60 | 600 | 16,00 | 8,00 | 2,67 | 8.333 | 4.167 | 518 |
| 80 C3s | 30 | 20 | 30 | | | | | | | | 80 | 800 | 18,00 | 6,00 | 2,00 | 9.375 | 3.125 | 518 |
| 90 C3s | 30 | 30 | 30 | | | | | | | | 90 | 900 | 16,00 | 8,00 | 2,67 | 8.333 | 4.167 | 518 |
| 100 C3s | 30 | 40 | 30 | | | | | | | | 100 | 1.000 | 14,40 | 9,60 | 3,20 | 7.500 | 5.000 | 518 |
| 120 C3s | 40 | 40 | 40 | | | | | | | | 120 | 1.200 | 16,00 | 8,00 | 2,67 | 8.333 | 4.167 | 518 |
| 100 C5s | 20 | 20 | 20 | 20 | 20 | | | | | | 100 | 1.000 | 14,40 | 9,60 | 3,20 | 7.500 | 5.000 | 518 |
| 120 C5s | 30 | 20 | 20 | 20 | 30 | | | | | | 120 | 1.200 | 16,00 | 8,00 | 2,67 | 8.333 | 4.167 | 518 |
| 140 C5s | 40 | 20 | 20 | 20 | 40 | | | | | | 140 | 1.400 | 17,14 | 6,88 | 2,29 | 8.929 | 3.571 | 518 |
| 160 C5s | 40 | 20 | 40 | 20 | 40 | | | | | | 160 | 1.600 | 18,00 | 6,00 | 2,00 | 9.375 | 3.125 | 518 |