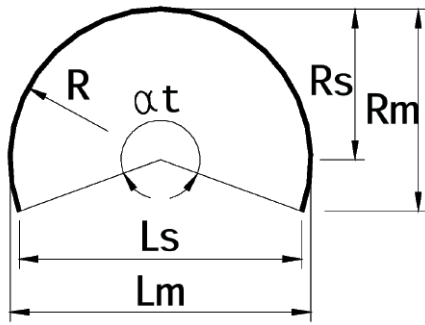


## T200 CA2 CIRCULAR ARCH TYPE 2

### Profile Geometry

These arch profiles comply with Highways Agency standard BD12

| Code   | Max Span L <sub>m</sub> | Minor Span L <sub>s</sub> | Major Rise R <sub>m</sub> | Minor Rise R <sub>s</sub> | Area           | Periphery | Plates | R    | αt     |
|--------|-------------------------|---------------------------|---------------------------|---------------------------|----------------|-----------|--------|------|--------|
| T200   | m                       | m                         | m                         | m                         | m <sup>2</sup> | m         |        | mm   |        |
| CA2/01 | 2.00                    | 1.94                      | 1.25                      | 1.00                      | 2.06           | 3.65      | 2      | 1000 | 208.84 |
| CA2/02 | 2.25                    | 2.18                      | 1.41                      | 1.13                      | 2.63           | 4.12      | 2      | 1125 | 209.58 |
| CA2/03 | 2.50                    | 2.41                      | 1.58                      | 1.25                      | 3.26           | 4.59      | 2      | 1250 | 210.16 |
| CA2/04 | 2.75                    | 2.70                      | 1.62                      | 1.38                      | 3.65           | 4.82      | 3      | 1375 | 200.85 |
| CA2/05 | 2.75                    | 2.65                      | 1.74                      | 1.38                      | 3.96           | 5.06      | 3      | 1375 | 210.64 |
| CA2/06 | 3.00                    | 2.94                      | 1.79                      | 1.50                      | 4.39           | 5.29      | 3      | 1500 | 202.06 |
| CA2/07 | 3.00                    | 2.89                      | 1.90                      | 1.50                      | 4.72           | 5.53      | 3      | 1500 | 211.04 |
| CA2/08 | 3.25                    | 3.18                      | 1.95                      | 1.63                      | 5.20           | 5.76      | 3      | 1625 | 203.09 |
| CA2/09 | 3.25                    | 3.13                      | 2.06                      | 1.63                      | 5.56           | 6.00      | 3      | 1625 | 211.38 |
| CA2/10 | 3.25                    | 3.06                      | 2.18                      | 1.63                      | 5.91           | 6.23      | 3      | 1625 | 219.66 |
| CA2/11 | 3.50                    | 3.42                      | 2.11                      | 1.75                      | 6.07           | 6.23      | 3      | 1750 | 203.97 |
| CA2/12 | 3.50                    | 3.37                      | 2.23                      | 1.75                      | 6.46           | 6.47      | 3      | 1750 | 211.67 |
| CA2/13 | 3.50                    | 3.30                      | 2.34                      | 1.75                      | 6.83           | 6.70      | 3      | 1750 | 219.36 |
| CA2/14 | 3.75                    | 3.66                      | 2.28                      | 1.88                      | 7.02           | 6.70      | 3      | 1875 | 204.74 |
| CA2/15 | 3.75                    | 3.61                      | 2.39                      | 1.88                      | 7.43           | 6.94      | 3      | 1875 | 211.92 |
| CA2/16 | 3.75                    | 3.53                      | 2.50                      | 1.88                      | 7.83           | 7.17      | 4      | 1875 | 219.10 |
| CA2/17 | 4.00                    | 3.90                      | 2.44                      | 2.00                      | 8.03           | 7.17      | 4      | 2000 | 205.41 |
| CA2/18 | 4.00                    | 3.84                      | 2.55                      | 2.00                      | 8.47           | 7.41      | 4      | 2000 | 212.14 |
| CA2/19 | 4.00                    | 3.77                      | 2.67                      | 2.00                      | 8.90           | 7.64      | 4      | 2000 | 218.87 |
| CA2/20 | 4.25                    | 4.14                      | 2.60                      | 2.13                      | 9.11           | 7.64      | 4      | 2125 | 206.00 |
| CA2/21 | 4.25                    | 4.08                      | 2.72                      | 2.13                      | 9.57           | 7.88      | 4      | 2125 | 212.33 |
| CA2/22 | 4.25                    | 4.01                      | 2.83                      | 2.13                      | 10.03          | 8.11      | 4      | 2125 | 218.67 |
| CA2/23 | 4.50                    | 4.43                      | 2.65                      | 2.25                      | 9.75           | 7.88      | 4      | 2250 | 200.54 |
| CA2/24 | 4.50                    | 4.38                      | 2.77                      | 2.25                      | 10.25          | 8.11      | 4      | 2250 | 206.52 |
| CA2/25 | 4.50                    | 4.32                      | 2.88                      | 2.25                      | 10.75          | 8.35      | 4      | 2250 | 212.50 |
| CA2/26 | 4.50                    | 4.25                      | 2.99                      | 2.25                      | 11.23          | 8.58      | 4      | 2250 | 218.49 |
| CA2/27 | 4.75                    | 4.67                      | 2.81                      | 2.38                      | 10.94          | 8.35      | 4      | 2375 | 201.32 |
| CA2/28 | 4.75                    | 4.62                      | 2.93                      | 2.38                      | 11.47          | 8.58      | 4      | 2375 | 206.99 |
| CA2/29 | 4.75                    | 4.56                      | 3.04                      | 2.38                      | 11.99          | 8.82      | 4      | 2375 | 212.66 |
| CA2/30 | 4.75                    | 4.49                      | 3.15                      | 2.38                      | 12.50          | 9.05      | 4      | 2375 | 218.33 |
| CA2/31 | 5.00                    | 4.91                      | 2.98                      | 2.50                      | 12.19          | 8.82      | 4      | 2500 | 202.03 |
| CA2/32 | 5.00                    | 4.86                      | 3.09                      | 2.50                      | 12.75          | 9.05      | 4      | 2500 | 207.41 |
| CA2/33 | 5.00                    | 4.80                      | 3.21                      | 2.50                      | 13.30          | 9.29      | 4      | 2500 | 212.80 |
| CA2/34 | 5.00                    | 4.72                      | 3.32                      | 2.50                      | 13.83          | 9.52      | 5      | 2500 | 218.18 |
| CA2/35 | 5.25                    | 5.15                      | 3.14                      | 2.63                      | 13.51          | 9.29      | 4      | 2625 | 202.66 |



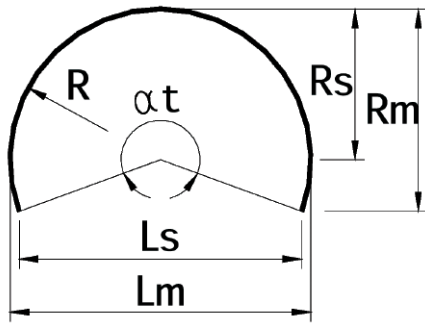
## T200 CA2 CIRCULAR ARCH TYPE 2

### Profile Geometry

These arch profiles comply with Highways Agency standard BD12

| Code   | Max Span Lm | Minor Span Ls | Major Rise Rm | Minor Rise Rs | Area           | Periphery | Plates | R    | αt     |
|--------|-------------|---------------|---------------|---------------|----------------|-----------|--------|------|--------|
| T200   | m           | m             | m             | m             | m <sup>2</sup> | m         |        | mm   |        |
| CA2/36 | 5.25        | 5.10          | 3.26          | 2.63          | 14.10          | 9.52      | 5      | 2625 | 207.79 |
| CA2/37 | 5.25        | 5.03          | 3.37          | 2.63          | 14.68          | 9.76      | 5      | 2625 | 212.92 |
| CA2/38 | 5.25        | 4.96          | 3.48          | 2.63          | 15.24          | 9.99      | 5      | 2625 | 218.05 |
| CA2/39 | 5.50        | 5.39          | 3.30          | 2.75          | 14.91          | 9.76      | 5      | 2750 | 203.24 |
| CA2/40 | 5.50        | 5.33          | 3.42          | 2.75          | 15.52          | 9.99      | 5      | 2750 | 208.14 |
| CA2/41 | 5.50        | 5.27          | 3.53          | 2.75          | 16.12          | 10.23     | 5      | 2750 | 213.04 |
| CA2/42 | 5.50        | 5.20          | 3.64          | 2.75          | 16.71          | 10.46     | 5      | 2750 | 217.93 |
| CA2/43 | 5.75        | 5.63          | 3.47          | 2.88          | 16.36          | 10.23     | 5      | 2875 | 203.77 |
| CA2/44 | 5.75        | 5.57          | 3.58          | 2.88          | 17.01          | 10.46     | 5      | 2875 | 208.46 |
| CA2/45 | 5.75        | 5.51          | 3.69          | 2.88          | 17.63          | 10.70     | 5      | 2875 | 213.14 |
| CA2/46 | 5.75        | 5.44          | 3.81          | 2.88          | 18.25          | 10.93     | 5      | 2875 | 217.82 |
| CA2/47 | 6.00        | 5.87          | 3.63          | 3.00          | 17.89          | 10.70     | 5      | 3000 | 204.26 |
| CA2/48 | 6.00        | 5.81          | 3.74          | 3.00          | 18.56          | 10.93     | 5      | 3000 | 208.75 |
| CA2/49 | 6.00        | 5.75          | 3.86          | 3.00          | 19.21          | 11.17     | 5      | 3000 | 213.24 |
| CA2/50 | 6.00        | 5.68          | 3.97          | 3.00          | 19.85          | 11.40     | 5      | 3000 | 217.72 |
| CA2/51 | 6.25        | 6.15          | 3.68          | 3.13          | 18.78          | 10.93     | 5      | 3125 | 200.40 |
| CA2/52 | 6.25        | 6.11          | 3.79          | 3.13          | 19.49          | 11.17     | 5      | 3125 | 204.71 |
| CA2/53 | 6.25        | 6.05          | 3.91          | 3.13          | 20.18          | 11.40     | 5      | 3125 | 209.02 |
| CA2/54 | 6.25        | 5.99          | 4.02          | 3.13          | 20.86          | 11.64     | 5      | 3125 | 213.32 |
| CA2/55 | 6.25        | 5.92          | 4.13          | 3.13          | 21.53          | 11.87     | 6      | 3125 | 217.63 |
| CA2/56 | 6.50        | 6.39          | 3.84          | 3.25          | 20.42          | 11.40     | 5      | 3250 | 200.98 |
| CA2/57 | 6.50        | 6.34          | 3.96          | 3.25          | 21.15          | 11.64     | 5      | 3250 | 205.12 |
| CA2/58 | 6.50        | 6.29          | 4.07          | 3.25          | 21.87          | 11.87     | 6      | 3250 | 209.26 |
| CA2/59 | 6.50        | 6.23          | 4.18          | 3.25          | 22.58          | 12.11     | 6      | 3250 | 213.41 |
| CA2/60 | 6.50        | 6.15          | 4.30          | 3.25          | 23.27          | 12.34     | 6      | 3250 | 217.55 |
| CA2/61 | 6.75        | 6.63          | 4.00          | 3.38          | 22.12          | 11.87     | 6      | 3375 | 201.51 |
| CA2/62 | 6.75        | 6.58          | 4.12          | 3.38          | 22.88          | 12.11     | 6      | 3375 | 205.50 |
| CA2/63 | 6.75        | 6.53          | 4.23          | 3.38          | 23.63          | 12.34     | 6      | 3375 | 209.49 |
| CA2/64 | 6.75        | 6.46          | 4.35          | 3.38          | 24.36          | 12.58     | 6      | 3375 | 213.48 |
| CA2/65 | 6.75        | 6.39          | 4.46          | 3.38          | 25.08          | 12.81     | 6      | 3375 | 217.47 |
| CA2/66 | 7.00        | 6.87          | 4.17          | 3.50          | 23.89          | 12.34     | 6      | 3500 | 202.01 |
| CA2/67 | 7.00        | 6.82          | 4.28          | 3.50          | 24.68          | 12.58     | 6      | 3500 | 205.86 |
| CA2/68 | 7.00        | 6.77          | 4.40          | 3.50          | 25.45          | 12.81     | 6      | 3500 | 209.70 |
| CA2/69 | 7.00        | 6.70          | 4.51          | 3.50          | 26.21          | 13.05     | 6      | 3500 | 213.55 |
| CA2/70 | 7.00        | 6.63          | 4.62          | 3.50          | 26.96          | 13.28     | 6      | 3500 | 217.40 |
| CA2/71 | 7.25        | 7.11          | 4.33          | 3.63          | 25.73          | 12.81     | 6      | 3625 | 202.47 |
| CA2/72 | 7.25        | 7.06          | 4.45          | 3.63          | 26.54          | 13.05     | 6      | 3625 | 206.19 |
| CA2/73 | 7.25        | 7.00          | 4.56          | 3.63          | 27.35          | 13.28     | 6      | 3625 | 209.90 |
| CA2/74 | 7.25        | 6.94          | 4.67          | 3.63          | 28.13          | 13.52     | 6      | 3625 | 213.61 |
| CA2/75 | 7.25        | 6.87          | 4.79          | 3.63          | 28.91          | 13.75     | 6      | 3625 | 217.33 |

25.6.2008



## T200 CA2 CIRCULAR ARCH TYPE 2

### Profile Geometry

These arch profiles comply with Highways Agency standard BD12

| Code   | Max Span $L_m$ | Minor Span $L_s$ | Major Rise $R_m$ | Minor Rise $R_s$ | Area           | Periphery | Plates | R    | $\alpha t$ |
|--------|----------------|------------------|------------------|------------------|----------------|-----------|--------|------|------------|
| T200   | m              | m                | m                | m                | m <sup>2</sup> | m         |        | mm   |            |
| CA2/76 | 7.50           | 7.35             | 4.49             | 3.75             | 27.64          | 13.28     | 6      | 3750 | 202.90     |
| CA2/77 | 7.50           | 7.30             | 4.61             | 3.75             | 28.48          | 13.52     | 6      | 3750 | 206.49     |
| CA2/78 | 7.50           | 7.24             | 4.72             | 3.75             | 29.31          | 13.75     | 6      | 3750 | 210.09     |
| CA2/79 | 7.50           | 7.18             | 4.84             | 3.75             | 30.12          | 13.99     | 6      | 3750 | 213.68     |
| CA2/80 | 7.50           | 7.11             | 4.95             | 3.75             | 30.92          | 14.22     | 7      | 3750 | 217.27     |
| CA2/81 | 7.75           | 7.59             | 4.66             | 3.88             | 29.61          | 13.75     | 6      | 3875 | 203.31     |
| CA2/82 | 7.75           | 7.54             | 4.77             | 3.88             | 30.48          | 13.99     | 6      | 3875 | 206.78     |
| CA2/83 | 7.75           | 7.48             | 4.89             | 3.88             | 31.33          | 14.22     | 7      | 3875 | 210.26     |
| CA2/84 | 7.75           | 7.42             | 5.00             | 3.88             | 32.18          | 14.46     | 7      | 3875 | 213.73     |
| CA2/85 | 7.75           | 7.35             | 5.11             | 3.88             | 33.00          | 14.69     | 7      | 3875 | 217.21     |
| CA2/86 | 8.00           | 7.87             | 4.71             | 4.00             | 30.75          | 13.99     | 6      | 4000 | 200.32     |
| CA2/87 | 8.00           | 7.83             | 4.82             | 4.00             | 31.65          | 14.22     | 7      | 4000 | 203.69     |
| CA2/88 | 8.00           | 7.78             | 4.94             | 4.00             | 32.55          | 14.46     | 7      | 4000 | 207.05     |
| CA2/89 | 8.00           | 7.72             | 5.05             | 4.00             | 33.43          | 14.69     | 7      | 4000 | 210.42     |
| CA2/90 | 8.00           | 7.65             | 5.16             | 4.00             | 34.30          | 14.93     | 7      | 4000 | 213.79     |
| CA2/91 | 8.00           | 7.58             | 5.27             | 4.00             | 35.15          | 15.16     | 7      | 4000 | 217.15     |