# Stembridge Trunk Cirumferences 2005

Measurements on every 5th row (mm)

| Row # | 1 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Plant position | | | | | | | | | | | | | | | | | | | |
| 136 | | | | | | | | | | | | | | | | | | | |
| 135 | | | | | | | | | | | | | | | | | | | 63 |
| 134 | | | | | | | | | | | | | | | | | | | 63 |
| 133 | | | | | | | | | | | | | | | | | | | 71 |
| 132 | | | | | | | | | | | | | | | | | | | 76 |
| 131 | | | | | | | | | | | | | | | | | | 46 | 58 |
| 130 | | | | | | | | | | | | | | | | | | 68 | 58 |
| 129 | | | | | | | | | | | | | | | | | | 58 | 65 |
| 128 | | | | | | | | | | | | | | | | | 36 | 68 | 60 |
| 127 | | | | | | | | | | | | | | | | | 62 | 69 | 75 |
| 126 | | | | | | | | | | | | | | | | | | 69 | 60 |
| 125 | | | | | | | | | | | | | | | | | 61 | 73 | 81 |
| 124 | | | | | | | | | | | | | | | | 67 | 57 | 62 | 62 |
| 123 | | | | | | | | | | | | | | | | 58 | 61 | 66 | 75 |
| 122 | | | | | | | | | | | | | | | | | 68 | 61 | 66 |
| 121 | | | | | | | | | | | | | | | | 71 | 58 | 62 | 70 |
| 120 | | | | | | | | | | | | | | | 49 | 70 | 75 | 58 | 69 |
| 119 | | | | | | | | | | | | | | | 51 | 54 | 56 | 75 | 66 |
| 118 | | | | | | | | | | | | | | | | 62 | 68 | 72 | 75 |
| 117 | | | | | | | | | | | | | | | 56 | 60 | 64 | 75 | 78 |
| 116 | | | | | | | | | | | | | | 50 | 70 | 73 | 63 | 57 | 72 |
| 115 | | | | | | | | | | | | | | 72 | 62 | 76 | 57 | 72 | 70 |
| 114 | | | | | | | | | | | | | | | 65 | 63 | 59 | 67 | 63 |
| 113 | | | | | | | | | | | | | | 60 | 72 | 69 | 66 | 61 | 62 |
| 112 | | | | | | | | | | | | | 54 | 66 | 72 | 73 | 67 | 63 | 64 |
| 111 | | | | | | | | | | | | | 60 | 64 | 58 | 58 | 51 | 70 | 57 |
| 110 | | | | | | | | | | | | | | 52 | 68 | 64 | 64 | 78 | 56 |
| 109 | | | | | | | | | | | | | 67 | 75 | 78 | 75 | 64 | 61 | 62 |
| 108 | | | | | | | | | | | | 32 | 67 | 72 | 76 | 82 | 65 | 74 | 74 |
| 107 | | | | | | | | | | | | 75 | 62 | 53 | 73 | 82 | 62 | 90 | 57 |
| 106 | | | | | | | | | | | | | 79 | 69 | 74 | 80 | 65 | 80 | 20 |
| 105 | | | | | | | | | | | | 79 | 73 | 75 | 71 | 68 | 51 | 82 | 66 |
| 104 | | | | | | | | | | | 62 | 69 | 59 | 76 | 84 | 67 | 73 | 70 | 52 |
| 103 | | | | | | | | | | | 68 | 72 | 72 | 71 | 70 | 73 | 67 | 71 | 68 |
| 102 | | | | | | | | | | | | 83 | 63 | 97 | 83 | 66 | 75 | 86 | 66 |
| 101 | | | | | | | | | | | 79 | 69 | 71 | 52 | 72 | 72 | 88 | 98 | 67 |
| 100 | | | | | | | | | | | 76 | 65 | 84 | 104 | 80 | 97 | 105 | 87 | 78 |
| 99 | | | | | | | | | | | 69 | 70 | 101 | 96 | 95 | 107 | 112 | 88 | 90 |
| 98 | | | | | | | | | | 68 | 75 | 87 | 115 | 96 | 125 | 105 | 110 | 106 | 89 |
| 97 | | | | | | | | | | 58 | 102 | 96 | 100 | 93 | 87 | 119 | 109 | 77 | 95 |
| 96 | | | | | | | | | | 71 | 19 | 119 | 108 | 133 | 107 | 102 | 101 | 110 | 77 |
| 95 | | | | | | | | | | 96 | 101 | 103 | 112 | 119 | 117 | 110 | 88 | 105 | 95 |
| 94 | | | | | | | | | | 59 | 129 | 117 | 119 | 96 | 105 | 109 | 107 | 102 | 86 |
| 93 | | | | | | | | | | 108 | 110 | 122 | 113 | 109 | 110 | 109 | 107 | 102 | 78 |
| 92 | | | | | | | | | 0 | 77 | 123 | 135 | 122 | 133 | 104 | | 113 | 109 | 82 |
| 91 | | | | | | | | | 109 | 90 | 75 | 124 | 98 | 103 | 126 | P | 112 | 100 | 75 |
| 90 | | | | | | | | | 103 | 128 | 142 | 126 | 77 | 118 | 132 | Y | 73 | 87 | 71 |
| 89 | | | | | | | | | 25 | 123 | 122 | 108 | 79 | 83 | 122 | L | 113 | 76 | 77 |
| 88 | | | | | | | | | 116 | 121 | 101 | 97 | 76 | 82 | 72 | O | 120 | 94 | 85 |
| 87 | | | | | | | | | 90 | 121 | 89 | 95 | 68 | 67 | 53 | N | 120 | 90 | 86 |
| 86 | | | | | | | | 84 | 104 | 94 | 78 | 98 | 80 | 66 | 54 | | 124 | 100 | 98 |
| 85 | | | | | | | | 120 | 93 | 92 | 77 | 94 | 84 | 61 | 47 | | 110 | 107 | 84 |
| 84 | | | | | | | | 107 | 88 | 95 | 76 | 80 | 100 | 58 | 50 | | 134 | 112 | 75 |
| 83 | | | | | | | | 89 | 77 | 92 | 88 | 80 | 109 | 73 | 64 | | 115 | 122 | 90 |
| 82 | | | | | | | | 78 | 90 | 81 | 92 | 80 | 92 | 76 | 78 | | 101 | 130 | 87 |
| 81 | | | | | | | 87 | 85 | 86 | 90 | 90 | 85 | 98 | 86 | 69 | | 84 | 116 | 115 |
| 80 | | | | | | | 92 | 95 | 91 | 81 | 78 | 79 | 105 | 87 | 68 | | 55 | 116 | 108 |
| 79 | | | | | | | 94 | 96 | 82 | 97 | 88 | 86 | 111 | 78 | 75 | 73 | 53 | 105 | 128 |
| 78 | | | | | | | 102 | 102 | 96 | 85 | 75 | 88 | 98 | 74 | 81 | 85 | 94 | 81 | 110 |
| 77 | | | | | | 86 | 104 | 101 | 93 | 102 | 98 | 100 | 110 | 79 | 81 | 89 | 75 | 68 | 139 |
| 76 | | | | | | 64 | 98 | 108 | 81 | 78 | 98 | 75 | 113 | 79 | 70 | 80 | 56 | 57 | 110 |
| 75 | | | | | | 107 | 102 | 94 | 87 | 103 | 109 | 99 | 109 | 70 | 71 | 88 | 56 | 49 | 85 |
| 74 | | | | | | 98 | 100 | 98 | 95 | 118 | 94 | 89 | 115 | 74 | 78 | 83 | 75 | 58 | 98 |
| 73 | | | | | 101 | 104 | 104 | 100 | 96 | 87 | 94 | 98 | 104 | 53 | 77 | 86 | 61 | 60 | 80 |
| 72 | | | | | 99 | 105 | 64 | 88 | 105 | 93 | 79 | 101 | 113 | 86 | 84 | 97 | 79 | 55 | 110 |
| 71 | | | | | 103 | 116 | 99 | 99 | 87 | 80 | 97 | 94 | 108 | 73 | 75 | 93 | 75 | 82 | 100 |
| 70 | | | | | 101 | 106 | 109 | 88 | 109 | 103 | 102 | 100 | 125 | 81 | 87 | 84 | 80 | 78 | 66 |
| 69 | | | | | 89 | 114 | 107 | 101 | 93 | 96 | 83 | 87 | 121 | 102 | 72 | 87 | 79 | 77 | 111 |
| 68 | | | | 84 | 100 | 116 | 111 | 101 | 105 | 102 | 104 | 106 | 133 | 85 | 72 | 82 | 72 | 97 | 106 |
| 67 | | | | 82 | 105 | 109 | 118 | 96 | 85 | 108 | 88 | 103 | 132 | 90 | 84 | 82 | 105 | 92 | 105 |
| 66 | | | | 93 | 111 | 109 | 104 | 113 | 93 | 105 | 92 | 100 | 123 | 81 | 83 | 91 | 78 | 85 | 108 |
| 65 | | | | 95 | 92 | 120 | 96 | 95 | 107 | 105 | 108 | 103 | 132 | 83 | 89 | 78 | 66 | 80 | 101 |
| 64 | | | | **83** | **96** | **103** | **111** | **105** | **98** | **107** | **111** | **115** | **118** | **86** | **80** | **78** | **96** | **85** | **102** |
| 63 | | | | 84 | 99 | 112 | 112 | 82 | 108 | 108 | 91 | 106 | 121 | 67 | 77 | 81 | 80 | 69 | 75 |
| 62 | | | | 90 | 102 | 123 | 100 | 112 | 97 | 97 | 102 | 97 | 105 | 84 | 72 | 78 | 69 | 69 | 102 |
| 61 | | | 96 | 80 | 103 | 122 | 115 | 102 | 101 | 112 | 119 | 109 | 107 | 72 | 62 | 79 | 72 | 60 | 92 |
| 60 | | | 98 | 87 | 110 | 118 | 109 | 123 | 101 | 105 | 108 | 88 | 128 | 86 | 64 | 76 | 68 | 64 | 81 |
| 59 | | | 106 | 85 | 103 | 113 | 115 | 107 | 105 | 95 | 87 | 85 | 108 | 90 | 62 | 69 | 77 | 81 | 88 |
| 58 | | | 97 | 92 | 116 | 120 | 84 | 114 | 106 | 95 | 91 | 87 | 105 | 94 | 58 | 75 | 65 | 53 | 85 |
| 57 | | | 97 | 103 | 104 | 113 | 109 | 122 | 112 | 102 | 87 | 42 | 85 | 95 | 58 | 68 | 70 | 74 | 96 |
| 56 | | | 92 | 101 | 112 | 109 | 116 | 104 | 103 | 107 | 106 | 93 | 97 | 101 | 58 | 68 | 82 | 72 | 100 |
| 55 | | | 101 | 97 | 102 | 97 | 112 | 114 | 111 | 108 | 103 | 74 | 94 | 104 | 64 | 72 | 72 | 62 | 88 |
| 54 | | | 108 | 80 | 112 | 121 | 118 | 118 | 112 | 100 | 111 | 95 | 94 | 112 | 56 | 77 | 78 | 62 | 87 |
| 53 | | | 104 | 100 | 117 | 118 | 104 | 103 | 129 | 103 | 104 | 92 | 98 | 104 | 67 | 90 | 92 | 78 | 93 |
| 52 | 81 | | 106 | 100 | 110 | 0 | 105 | 132 | 113 | 113 | 106 | 77 | 92 | 102 | 81 | 89 | 92 | 78 | 86 |
| 51 | 100 | 104 | 101 | 103 | 107 | 112 | 115 | 115 | 90 | 115 | 51 | 94 | 116 | 80 | 88 | 93 | 87 | 98 | |
| 50 | 99 | 101 | 108 | 111 | 106 | 116 | 123 | 107 | 118 | 105 | 86 | 97 | 106 | 83 | 90 | 89 | 103 | 97 | |
| 49 | 103 | 109 | 111 | 116 | 114 | 122 | 109 | 115 | 83 | 107 | 105 | 98 | 100 | 86 | 88 | 89 | 96 | 92 | |
| 48 | 99 | 104 | 88 | 96 | 102 | 122 | 105 | 120 | 110 | 118 | 88 | 99 | 100 | 88 | 92 | 87 | 101 | 89 | |
| 47 | | 101 | 106 | 105 | 107 | 106 | 102 | 98 | 111 | 107 | 96 | 102 | 123 | 86 | 99 | 90 | 95 | 105 | |
| 46 | 111 | 114 | 102 | 113 | 102 | 107 | 98 | 100 | 110 | 118 | 97 | 102 | 112 | 92 | 84 | 99 | 93 | 34 | |
| 45 | 115 | 106 | 100 | 108 | 101 | 107 | 115 | 102 | 115 | 125 | 92 | 101 | 115 | 99 | 99 | 103 | 93 | 78 | |
| 44 | 110 | 113 | 103 | 118 | 101 | 117 | 102 | 104 | 104 | 126 | 92 | 114 | 92 | 102 | 91 | 92 | 103 | 109 | |
| 43 | 98 | 108 | 123 | 103 | 107 | 101 | 112 | 108 | 84 | 102 | 108 | 102 | 109 | 96 | 94 | 100 | 101 | 101 | 90 |
| 42 | 102 | 120 | 108 | 109 | 100 | 111 | 112 | 115 | 106 | 107 | 116 | 102 | 113 | 101 | 95 | 94 | 95 | 88 | 90 |
| 41 | 99 | 115 | 135 | 110 | 105 | 114 | 102 | 111 | 105 | 110 | 113 | 92 | 102 | 101 | 110 | 105 | 97 | 93 | 101 |
| 40 | **102** | 118 | 76 | 113 | 106 | 110 | 105 | 114 | 103 | 99 | 113 | 110 | 111 | 95 | 112 | 95 | 87 | 98 | 120 |
| 39 | | 126 | **106** | 105 | 111 | 106 | 100 | 89 | 104 | 104 | 116 | 97 | 109 | 100 | 96 | 101 | 102 | 88 | 116 |
| 38 | 106 | 118 | 129 | 102 | 114 | 100 | 118 | 105 | 110 | 84 | 104 | 96 | 112 | 91 | 108 | 106 | 93 | 98 | 118 |
| 37 | 100 | 116 | 122 | 108 | 115 | 105 | 101 | 105 | 87 | 121 | 116 | 104 | 109 | 104 | 116 | 94 | 102 | 88 | 125 |
| 36 | 113 | 130 | 117 | 120 | 110 | 103 | 117 | 110 | 111 | 117 | 108 | 106 | 109 | 99 | 117 | 107 | 83 | 86 | 128 |
| 35 | | 119 | 112 | 111 | 120 | 112 | 104 | 105 | 104 | 106 | 118 | 105 | 103 | 101 | 123 | 100 | 89 | 118 | 122 |
| 34 | 124 | 115 | 112 | 115 | 127 | 122 | 121 | 105 | 105 | 109 | 98 | 105 | 113 | 102 | 100 | 119 | 103 | 125 | 117 |
| 33 | | 115 | 111 | 98 | 120 | 113 | 124 | 126 | 108 | 104 | 112 | 105 | 114 | 98 | 107 | 86 | 68 | 123 | 110 |
| 32 | | 101 | 113 | 115 | 116 | 120 | 124 | 121 | 102 | 100 | 109 | 109 | 116 | 99 | 110 | 111 | 97 | 131 | 114 |
| 31 | | 113 | 118 | 112 | 123 | 129 | 118 | 121 | 110 | 123 | 125 | 115 | 104 | 104 | 95 | 117 | 101 | 123 | 118 |
| 30 | | 115 | 122 | 110 | 121 | 127 | 128 | 123 | 124 | 127 | 127 | 97 | 122 | 102 | 127 | 107 | 113 | 125 | 117 |
| 29 | | 109 | 115 | 116 | 128 | 129 | 126 | 119 | 132 | 111 | 123 | 110 | 122 | 111 | 111 | 113 | 123 | 135 | 114 |
| 28 | | 100 | 121 | 126 | 135 | 123 | 115 | 120 | 130 | 132 | 127 | 122 | 123 | 122 | 110 | 104 | 113 | 128 | 113 |
| 27 | | | 124 | 116 | 107 | 125 | 118 | 117 | 117 | 118 | 118 | 117 | 123 | 106 | 125 | 102 | 132 | 128 | 116 |
| 26 | | 100 | 131 | 109 | 116 | 116 | 113 | 120 | 111 | 136 | 134 | 110 | 124 | 106 | 110 | 122 | 125 | 110 | 115 |
| 25 | | | 127 | 108 | 102 | 108 | 123 | 131 | 113 | 121 | 132 | 118 | 127 | 114 | 125 | 113 | 121 | 115 | 94 |
| 24 | | | 123 | 93 | 99 | 112 | 106 | 120 | 113 | 128 | 124 | 114 | 116 | 86 | 110 | 125 | 122 | 102 | 93 |
| 23 | | | 112 | 90 | 105 | 94 | 107 | 120 | 118 | 121 | 125 | 115 | 120 | 131 | 115 | 124 | 108 | 108 | 108 |
| 22 | | | 118 | 92 | 88 | 90 | 122 | 127 | 113 | 127 | 132 | 126 | 122 | 130 | 123 | 131 | 129 | 111 | 109 |
| 21 | | | 127 | 120 | 87 | 93 | 109 | 125 | 123 | 125 | 115 | 122 | 127 | 121 | 117 | 127 | 117 | 117 | 105 |
| 20 | | | 121 | 128 | 107 | 65 | 105 | 122 | 132 | 120 | 128 | 112 | 129 | 117 | 119 | 131 | 122 | 108 | 99 |
| 19 | | | 112 | 118 | 102 | 84 | 94 | 115 | 125 | 118 | 112 | 113 | 122 | 112 | 122 | 130 | 118 | 101 | 104 |
| 18 | | | 107 | 110 | 120 | 80 | 85 | 105 | 128 | 123 | 137 | 121 | 119 | 128 | 129 | 133 | 120 | 126 | 96 |
| 17 | | | 103 | 120 | 122 | 95 | 82 | 97 | 131 | 120 | 120 | 123 | 131 | 112 | 128 | 123 | 117 | 108 | 107 |
| 16 | | | | 45 | 124 | 99 | 82 | 90 | 130 | 124 | 92 | 48 | 119 | 113 | 137 | 119 | 116 | 100 | 110 |
| 15 | | | | 116 | 118 | 109 | 73 | 88 | 118 | 130 | 126 | 118 | 128 | 125 | 129 | 117 | 106 | 105 | 105 |
| 14 | | | | 114 | 119 | 113 | 79 | 82 | 118 | 142 | 126 | 117 | 121 | 134 | 125 | 118 | 101 | 98 | 108 |
| 13 | | | | 98 | 128 | 124 | 76 | 86 | 107 | 38 | 127 | 119 | 115 | 130 | 126 | 123 | 107 | 104 | 123 |
| 12 | | | | 105 | 115 | 120 | 94 | 99 | 105 | 137 | 129 | 102 | 121 | 124 | 123 | 120 | 98 | 106 | 115 |
| 11 | | | | 96 | 123 | 99 | 111 | 89 | 100 | 126 | 129 | 97 | 123 | 127 | 106 | 114 | 112 | 105 | 121 |
| 10 | | | | 96 | 105 | 132 | 128 | 85 | 102 | 123 | 130 | 100 | 111 | 117 | 111 | 105 | 111 | 108 | 120 |
| 9 | | | | 55 | 98 | 126 | 136 | 93 | 103 | 134 | 120 | 110 | 136 | 135 | 109 | 110 | 93 | 110 | 114 |
| 8 | | | | 72 | 73 | 125 | 23 | 86 | 102 | 112 | 127 | 95 | 135 | 133 | 129 | 123 | 123 | 118 | 127 |
| 7 | | | | | 55 | 112 | 132 | 80 | 90 | 64 | 118 | 114 | 133 | 120 | 117 | 111 | 65 | 103 | 113 |
| 6 | | | | | 70 | 109 | 117 | 112 | 100 | 113 | 145 | 116 | 116 | 114 | 124 | 115 | 107 | 105 | 106 |
| 5 | | | | | 50 | 112 | 105 | 114 | 93 | 102 | | 118 | 131 | 112 | 109 | 15 | 110 | 121 | 95 |
| 4 | | | | | 52 | 88 | 119 | 100 | 91 | 99 | | 113 | 135 | 123 | 112 | 114 | 106 | 105 | 103 |
| 3 | | | | | 56 | 70 | 83 | 109 | 75 | 106 | | 123 | 139 | 108 | 109 | 119 | 111 | 111 | 86 |
| 2 | | | | | 40 | 62 | 108 | 115 | 98 | 112 | | 116 | 133 | 116 | 108 | 102 | 124 | 123 | 135 |
| 1 | | | | | 57 | 58 | 109 | 127 | 107 | 120 | | 119 | 137 | 128 | 107 | 132 | 113 | 124 | 114 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Count | 8 | 25 | 45 | 61 | 73 | 77 | 81 | 86 | 92 | 98 | 98 | 107 | 111 | 115 | 119 | 110 | 127 | 131 | 135 |
| Max | 124 | 130 | 135 | 128 | 135 | 132 | 136 | 132 | 132 | 142 | 145 | 135 | 139 | 135 | 137 | 133 | 134 | 135 | 139 |
| Min | 98 | 81 | 76 | 45 | 40 | 0 | 23 | 78 | 0 | 38 | 19 | 32 | 54 | 50 | 47 | 15 | 36 | 46 | 20 |
| Avg | 105.5 | 110.2 | 111.2 | 100.5 | 103.5 | 105.3 | 105.9 | 105.8 | 102.5 | 105.1 | 105.7 | 98.4 | 106.8 | 96 | 91.2 | 93 | 89.6 | 90.3 | 90.9 |
| SD | 8.9 | 10.5 | 11.6 | 15.6 | 19.5 | 19.9 | 16.7 | 13.4 | 18.7 | 18.6 | 20.6 | 18.7 | 19.8 | 21.7 | 24.0 | 21.7 | 22.7 | 21.7 | 21.8 |

Boundaries for colour coding (mm)

| From | to |
|---|---|
| 60 | 86 |
| 87 | 114 |
| 115 | 145 |

Quartile Ranges (mm)

| | |
|---|---|
| 86 | First quartile |
| 103 | Median Value |
| 114 | Third Quartile |
| 145 | Maximum Value |