



## NexxZr Zirconia

### Recommendation for design and preparation

The following design parameters and minimum thicknesses should be observed for successful processing of NexxZr zirconia.

#### Design Parameters

| NexxZr S                            | anterior region         |   | posterior region        |   | design type                                    |
|-------------------------------------|-------------------------|---|-------------------------|---|--|
|                                     | minimum thickness in mm | connector dimensions in mm <sup>2</sup> | minimum thickness in mm | connector dimensions in mm <sup>2</sup> |  |
| crowns                              | 0.4                     | -                                       | 0.6                     | -                                       | supports the tooth shape                       |
| 3-unit bridges                      | 0.6                     | 7                                       | 0.6                     | 9                                       | supports the tooth shape and the gingiva shape |
| multi-unit bridges with 2 pontics** | 0.6                     | 9                                       | 0.7                     | 12*                                     |  |
| cantilever bridges with one pontic  | 0.7                     | 12*                                     | 0.7                     | 12*                                     |  |

| NexxZr T                            | anterior region         |   | posterior region        |   | design type                                    |
|-------------------------------------|-------------------------|---|-------------------------|---|--|
|                                     | minimum thickness in mm | connector dimensions in mm <sup>2</sup> | minimum thickness in mm | connector dimensions in mm <sup>2</sup> |  |
| crowns                              | 0.4                     | -                                       | 0.6                     | -                                       | supports the tooth shape                       |
| 3-unit bridges                      | 0.6                     | 7                                       | 0.6                     | 9                                       | supports the tooth shape and the gingiva shape |
| multi-unit bridges with 2 pontics** | 0.6                     | 9                                       | 0.7                     | 12*                                     |  |
| cantilever bridges with one pontic  | 0.7                     | 12*                                     | 0.7                     | 12*                                     |  |

| NexxZr T Multi                      | anterior region         |   | posterior region        |   | design type                                    |
|-------------------------------------|-------------------------|---|-------------------------|---|--|
|                                     | minimum thickness in mm | connector dimensions in mm <sup>2</sup> | minimum thickness in mm | connector dimensions in mm <sup>2</sup> |  |
| crowns                              | 0.8                     | -                                       | 1.0                     | -                                       | supports the tooth shape                       |
| 3-unit bridges                      | 1.0                     | 9                                       | 1.0                     | 9                                       | supports the tooth shape and the gingiva shape |
| multi-unit bridges with 2 pontics** | 1.0                     | 9                                       | 1.0                     | 12*                                     |  |
| cantilever bridges with one pontic  | 1.0                     | 12*                                     | 1.0                     | 12*                                     |  |



Technical information

| NexxZr+                             | anterior region         |            |   |            | posterior region        |            |   |            | design type                                    |
|-------------------------------------|-------------------------|------------|---|------------|-------------------------|------------|---|------------|--|
|                                     | minimum thickness in mm |            | connector dimensions in mm <sup>2</sup> |            | minimum thickness in mm |            | connector dimensions in mm <sup>2</sup> |            |  |
|                                     | white                   | pre-shaded | white                                   | pre-shaded | white                   | pre-shaded | white                                   | pre-shaded |  |
| crowns                              | 0.8                     |            | -                                       |            | 1.0                     |            | -                                       |            | supports the tooth shape                       |
| 3-unit bridges                      | 1.0                     |            | 12*                                     |            | 1.0                     |            | 16                                      |            | supports the tooth shape and the gingiva shape |
| multi-unit bridges with 2 pontics** | 1.0                     | -          | 12*                                     | -          | 1.0                     | -          | 16                                      | -          |  |

| NexxZr+ Multi  | anterior region         |            |   |            | posterior region        |            |   |            | design type                                    |
|----------------|-------------------------|------------|---|------------|-------------------------|------------|---|------------|--|
|                | minimum thickness in mm |            | connector dimensions in mm <sup>2</sup> |            | minimum thickness in mm |            | connector dimensions in mm <sup>2</sup> |            |  |
|                | white                   | pre-shaded | white                                   | pre-shaded | white                   | pre-shaded | white                                   | pre-shaded |  |
| crowns         | 0.8                     |            | -                                       |            | 1.0                     |            | -                                       |            | supports the tooth shape                       |
| 3-unit bridges | 1.0                     |            | 12*                                     |            | 1.0                     |            | 16                                      |            | supports the tooth shape and the gingiva shape |



Overview minimum thickness

|                |                 | crowns  | 3-unit bridges | multi-unit bridges with 2 pontics** | cantilever bridges with one pontic |
|----------------|-----------------|---------|----------------|-------------------------------------|------------------------------------|
| NexxZr S       | anterior in mm  | 0.4<br> | 0.6<br>        | 0.6<br>                             | 0.7<br>                            |
|                | posterior in mm | 0.6<br> | 0.6<br>        | 0.7<br>                             | 0.7<br>                            |
| NexxZr T       | anterior in mm  | 0.4<br> | 0.6<br>        | 0.6<br>                             | 0.7<br>                            |
|                | posterior in mm | 0.6<br> | 0.6<br>        | 0.7<br>                             | 0.7<br>                            |
| NexxZr T Multi | anterior in mm  | 0.8<br> | 1.0<br>        | 1.0<br>                             | 1.0<br>                            |
|                | posterior in mm | 1.0<br> | 1.0<br>        | 1.0<br>                             | 1.0<br>                            |
| NexxZr+        | anterior in mm  | 0.8<br> | 1.0<br>        | 1.0<br>                             |                                    |
|                | posterior in mm | 1.0<br> | 1.0<br>        | 1.0<br>                             |                                    |
| NexxZr+ Multi  | anterior in mm  | 0.8<br> | 1.0<br>        |                                     |                                    |
|                | posterior in mm | 1.0<br> | 1.0<br>        |                                     |                                    |



**Please note:**

- avoid angles or sharp edges. A modified shoulder preparation with round inner edges or a chamfer is ideal.
- an anatomical cusp-supported design is recommended.
- minimum thicknesses must be observed.
- for layered restorations, the tooth structure must be reduced by another 1 mm, in addition to the minimum wall thickness of the framework material used, in the area of the intended restoration.

\* Height: 4 mm, Width: 3 mm

\*\* In Canada, bridge indications are limited to 6 units with a maximum of 2 connected pontics.