





**TECHNICAL INFORMATION**


**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**

	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*	

	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	-	

	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>	
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3-unit bridges	1.0	12*	1.0	16	supports the tooth shape and the gingiva shape



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**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 	0.6 	0.6 	0.7 
	posterior in mm	0.6 	0.6 	0.7 	0.7 
NexxZr T	anterior in mm	0.4 	0.6 	0.6 	0.7 
	posterior in mm	0.6 	0.6 	0.7 	0.7 
NexxZr +	anterior in mm	0.8 	1.0 	1.0 	
	posterior in mm	1.0 	1.0 	1.0 	
NexxZr + Multi	anterior in mm	0.8 	1.0 		
	posterior in mm	1.0 	1.0 		

**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.