



D/M series

In-house
milling



Zolid® SHT

Super-high translucent zirconia

Zirconia available in a wide variety of super-high translucent shades for highly esthetic full-contour cases



EFFICIENCY

The shade offering and process reliability ensure easy, time-saving processing while simplifying handling



ESTHETICS

The super-high translucency of the material is the ideal basis for highly esthetic restorations



FLEXIBILITY

The broad range of shades and individualization options gives maximum flexibility to dental professionals







Available shades

- Zolid® SHT discs (for in-house milling) are available in white, preshaded monochromatic shades (bleach, A light, A medium, B light, C light and D light) and 10 multilayered shades in popular disc heights.











WHITE ZOLID® SHT DISCS (EACH ARTICLE CONTAINS 1 DISC)

Disc height	12 mm	14 mm	16 mm	18 mm	20 mm	25 mm
D Shape Disc (71 mm)	760122-STM	760123-STM	760124-STM	760125-STM	760126-STM	760127-STM
Round Disc (98 mm)	760130-STM	760131-STM	760132-STM	760133-STM	760134-STM	–

PRESHADE ZOLID® SHT DISCS (EACH ARTICLE CONTAINS 1 DISC)

Disc shape	D Shape Disc (71 mm)			Round Disc (98 mm)		
Disc height	14 mm	16 mm	20 mm	14 mm	16 mm	20 mm
 Bleach	761501-STM	761502-STM	761504-STM	761551-STM	761552-STM	761554-STM
 A light	761506-STM	761507-STM	761509-STM	761556-STM	761557-STM	761559-STM
 A medium	761511-STM	761512-STM	761514-STM	761561-STM	761562-STM	761564-STM
 B light	761516-STM	761517-STM	761519-STM	761566-STM	761567-STM	761569-STM
 C light	761526-STM	761527-STM	761529-STM	761576-STM	761577-STM	761579-STM
 D light	761536-STM	761537-STM	761539-STM	761586-STM	761587-STM	761589-STM

MULTILAYER ZOLID® SHT DISCS (EACH ARTICLE CONTAINS 1 DISC)

Disc shape	D Shape Disc (71 mm)			Round Disc (98 mm)		
Disc height	14 mm	16 mm	20 mm	14 mm	16 mm	20 mm
 O/A1	761733-STM	761734-STM	761735-STM	761776-STM	761777-STM	761778-STM
 A2/A3	761737-STM	761738-STM	761739-STM	761780-STM	761781-STM	761782-STM
 A3,5/A4	761741-STM	761742-STM	761743-STM	761784-STM	761785-STM	761786-STM
 O/B1	761745-STM	761746-STM	761747-STM	761788-STM	761789-STM	761790-STM
 B2/B3	761749-STM	761750-STM	761751-STM	761792-STM	761793-STM	761794-STM
 B3/B4	761753-STM	761754-STM	761755-STM	761796-STM	761797-STM	761798-STM
 C1/C2	761757-STM	761758-STM	761759-STM	761800-STM	761801-STM	761802-STM
 C3/C4	761761-STM	761762-STM	761763-STM	761804-STM	761805-STM	761806-STM
 D2/D3	761765-STM	761766-STM	761767-STM	761808-STM	761809-STM	761810-STM
 D3/D4	761769-STM	761770-STM	761771-STM	761812-STM	761813-STM	761814-STM











Available indications

- ▶ For final restorations
- ▶ For maximum 3-unit restorations









Recommended indication

Possible indication

TOOTH-BASED

 Inlay	 Onlay	 Veneer	 Partial crown	 Coping
 Full-contour crown	 Telescopic crown	 Bridge/bar framework	 Full-contour bridge	 Vestibular veneering

ABUTMENT-BASED

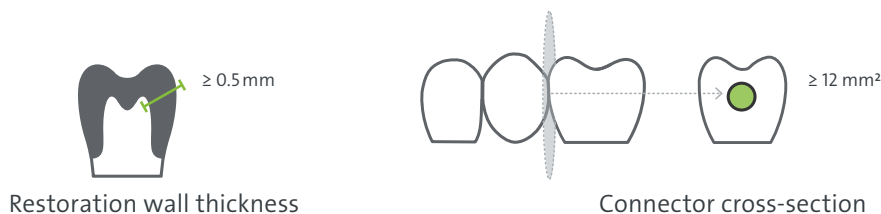
 Coping on Ti-Base	 Full-contour crown on Ti-Base	 Bridge/bar framework on Ti-Base	 Full-contour bridge on Ti-Base
 Coping on CAD/CAM abutment	 Full-contour crown on CAD/CAM abutment	 Bridge/bar framework on CAD/CAM abutments	 Full-contour bridge on CAD/CAM abutments

Preparation guidelines

- ▶ The preparation shall not have angles or sharp edges
- ▶ The shoulder preparation shall be with rounded inner edges and/or chamfer
- ▶ The preparation shall have retentive surfaces for conventional cementation
- ▶ The cross-sections shall be adjusted in relation to the total size of the restoration
- ▶ The transition from a connector to a crown or coping shall be rounded

Wall thickness

MINIMAL RESTORATION DESIGN



Workflow

STEPS	OPTIONS
Nesting	Position the restoration in the desired disc shade transition (for Zolid® SHT multilayer)
Milling	Dry milling with D and M series
Dying	Only for white color <i>Recommendation: ceramill® Coloring Liquid FX for Zolid® SHT</i>
Sintering	<i>Recommendation: Straumann® CARES® Therm</i>
Finishing	Polishing Staining & glazing Layering <i>Recommendation for staining and glazing: ceramill® stain and glaze for all Zolid® zirconia</i>
Cementing	Adhesive Self-adhesive Conventional

Chemical composition

ELEMENTS	WEIGHT
$ZrO_2 + HfO_2 + Y_2O_3$	≥ 99.0 %
Y_2O_3	8.5 - 9.6 %
HfO_2	≤ 5 %
Al_2O_3	≤ 0.5 %
Other oxides	≤ 1 %

Physical properties

PROPERTIES	VALUE
Bending Strength (3-point) [MPa]	700 ± 150
E-Module [GPa]	≥ 200 GPa
CTE (20 – 500°C) [$10^{-6}K^{-1}$]	10.1 ± 0.5

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