



D/M series

In-house
milling



Zolid® HT+

High translucent zirconia

Zirconia available in a wide variety of high translucent shades
for up to full-arch full-contour restorations



EFFICIENCY

Full-contour restorations made from Zolid® HT+ reduce post-processing time while simplifying handling



STRENGTH

Zolid® HT+ is a durable material indicated for up to full-arch restorations



FLEXIBILITY

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

Available shades

► Zolid® HT+ discs (for in-house milling) are available in white and in 17 preshaded monochromatic shades in a variety of disc heights.

WHITE ZOLID® HT+ DISCS (EACH ARTICLE CONTAINS 1 DISC)

Disc height	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm	25 mm
D Shape Disc (71 mm)	766009-STM	766010-STM	766011-STM	766012-STM	766013-STM	766014-STM	766016-STM
Round Disc (98 mm)	766020-STM	766021-STM	766022-STM	766023-STM	766024-STM	766025-STM	766027-STM

PRESHADE ZOLID® HT+ 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	766032-STM	766033-STM	766035-STM	766152-STM	766153-STM	766155-STM
 A1	766039-STM	766040-STM	766042-STM	766159-STM	766160-STM	766162-STM
 A2	766046-STM	766047-STM	766049-STM	766166-STM	766167-STM	766169-STM
 A3	766053-STM	766054-STM	766056-STM	766173-STM	766174-STM	766176-STM
 A3,5	766060-STM	766061-STM	766063-STM	766180-STM	766181-STM	766183-STM
 A4	766067-STM	766068-STM	766070-STM	766187-STM	766188-STM	766190-STM
 B1	766074-STM	766075-STM	766077-STM	766194-STM	766195-STM	766197-STM
 B2	766081-STM	766082-STM	766084-STM	766201-STM	766202-STM	766204-STM
 B3	766088-STM	766089-STM	766091-STM	766208-STM	766209-STM	766211-STM
 B4	766095-STM	766096-STM	766098-STM	766215-STM	766216-STM	766218-STM
 C1	766102-STM	766103-STM	766105-STM	766222-STM	766223-STM	766225-STM
 C2	766109-STM	766110-STM	766112-STM	766229-STM	766230-STM	766232-STM
 C3	766116-STM	766117-STM	766119-STM	766236-STM	766237-STM	766239-STM
 C4	766123-STM	766124-STM	766126-STM	766243-STM	766244-STM	766246-STM
 D2	766130-STM	766131-STM	766133-STM	766250-STM	766251-STM	766253-STM
 D3	766137-STM	766138-STM	766140-STM	766257-STM	766258-STM	766260-STM
 D4	766144-STM	766145-STM	766147-STM	766264-STM	766265-STM	766267-STM

Available indications









- ▶ For final restorations
- ▶ For up to full-arch

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

 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

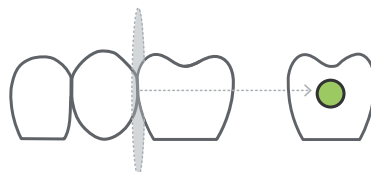
- ▶ The preparation shall not have angles or sharp edges
- ▶ The shoulder preparation shall be with rounded inner edges and/or chamfer
- ▶ The preparation shall have retentive surfaces for conventional cementation
- ▶ The cross-sections shall be adjusted in relation to the total size of the restoration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

Wall thickness

MINIMAL RESTORATION DESIGN



Restoration wall thickness



Connector cross-section

≥ 7 mm² for anterior restorations
≥ 9 mm² for posterior restorations

Workflow

STEPS	OPTIONS
Nesting	Position the restoration in the desired disc position
Milling	Dry milling with D and M series
Dying	<i>Recommendation: ceramill® Coloring Liquid for Zolid® HT+</i>
Sintering	<i>Recommendation: Straumann® CARES® Therm</i>
Finishing	Polishing Staining & glazing Layering <i>Recommendation: 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	6.0 - 7.2 %
HfO_2	≤ 5 %
Al_2O_3	≤ 0.5 %
Other oxides	≤ 1 %

Physical properties

PROPERTIES	VALUE
Bending Strength (3-point) [MPa]	1050 ± 200
E-Module [GPa]	≥ 200 GPa
CTE (20 – 500°C) [10 ⁻⁶ K ⁻¹]	10.4 ± 0.5

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