



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 (Bleach, A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3 and D4).

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
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	Round Disc (98 mm)		
Disc height	14 mm	16 mm	20 mm
 Bleach	766152-STM	766153-STM	766155-STM
 A1	766159-STM	766160-STM	766162-STM
 A2	766166-STM	766167-STM	766169-STM
 A3	766173-STM	766174-STM	766176-STM
 A3,5	766180-STM	766181-STM	766183-STM
 A4	766187-STM	766188-STM	766190-STM
 B1	766194-STM	766195-STM	766197-STM
 B2	766201-STM	766202-STM	766204-STM
 B3	766208-STM	766209-STM	766211-STM
 B4	766215-STM	766216-STM	766218-STM
 C1	766222-STM	766223-STM	766225-STM
 C2	766229-STM	766230-STM	766232-STM
 C3	766236-STM	766237-STM	766239-STM
 C4	766243-STM	766244-STM	766246-STM
 D2	766250-STM	766251-STM	766253-STM
 D3	766257-STM	766258-STM	766260-STM
 D4	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-BASED (AVAILABLE WITHIN THE CARES® X-STREAM™ SOLUTION)

 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

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

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

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