



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 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
| 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-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

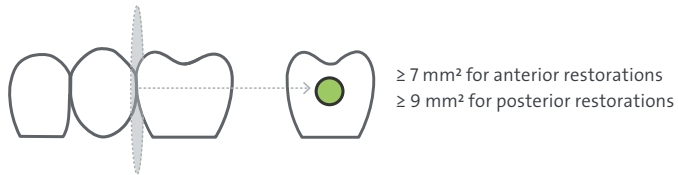
- ▶ The preparation shall not have angles or sharp edges
- ▶ The shoulder preparation shall be with rounded inner edges and/or chamfer
- ▶ The preparation shall have retentive surfaces for conventional cementation
- ▶ The cross-sections shall be adjusted in relation to the total size of the restoration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

Wall thickness

MINIMAL RESTORATION DESIGN



Restoration wall thickness



Connector cross-section

International Headquarters

Institut Straumann AG

Peter Merian-Weg 12

CH-4002 Basel, Switzerland

Phone +41 (0)61 965 11 11

Fax +41 (0)61 965 11 01

www.straumann.com

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