Zfx™ CAD / CAM materials

Product catalog

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MILLING TOOL OVERVIEW

For precision processing of materials from the dental area, Zfx provides milling tools which have been optimized over many years of experience with more than 100,000 applications produced. A wide variety of cutting edge geometries and coatings were developed and combined when doing this. These keep the relevant factors such as tool service life, tool costs and processing time in balance, and therefore guarantee cost-effectiveness and the highest quality. Direct feedback from production ensures that development cycles are short, and makes fast response times possible. Zfx milling tools cover a wide range of applications and materials, and are permanently available from stock.

INDICATIONS	MILLING TOOLS FOR ...	
	Zirconium	Cobalt Chromium
CROWN	✓	✓
BRIDGE	✓	✓
PARTIAL CROWN	✓	✓
PRIMARY TELESCOPE	✓	✓
INLAY, ONLAY	✓	✓
VENEER	✓	✓
SPLINT (BITESPLINT)	✓	
HYBRID STRUCTURE	✓	✓
IMPLANT ATTACHMENT	✓	✓
MODEL CAST	✓	✓
STUMPS / MODEL	✓	✓
	Page 6	Page 8

MILLING TOOLS FOR ...

Aluminium	PEEK	PU Accurate	Glass and hybrid ceramic
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
	✓	✓	
✓	✓	✓	
✓	✓	✓	
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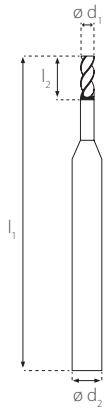
ZIRCONIUM
MILLING TOOLS

VHM milling tools with the latest generation diamond coating ensure the excellent edge stability and running performance in wet and dry processing.



ZI MILLING TOOLS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T20	2.00 mm	45 mm	20 mm	ZFX06000467
T15	1.50 mm	42 mm	15 mm	ZFX06000466
T10	1.00 mm	42 mm	10 mm	ZFX06000465
T5	0.60 mm	42 mm	6 mm	ZFX06000464

Indications

+ Crown: anatomically reduced and fully anatomical
+ Bridge: anatomically reduced and fully anatomical
+ Partial crown
+ Primary telescope
+ Inlay, Onlay: anatomically reduced and fully anatomical
+ Veneer

ZI TOOLS FOR SCREW-RETAINED CONSTRUCTIONS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T20	2.00 mm	45 mm	20 mm	ZFX06000467
T15	1.50 mm	42 mm	15 mm	ZFX06000466
T10	1.00 mm	42 mm	10 mm	ZFX06000465
T5	0.60 mm	42 mm	6 mm	ZFX06000464
T51	1.00 mm	45 mm	10 mm	ZFX06002300
T42	2.00 mm	50 mm	20 mm	ZFX06002290
T41	1.50 mm	50 mm	20 mm	ZFX06002280

Indications

+ Titanium-based hybrid abutment (2-P abutment)
+ Titanium-based hybrid abutment (2-P abutment): anatomically reduced and fully anatomical
+ Screw-retained bridge at multi-unit level: anatomically reduced and fully anatomical
+ Titanium-based hybrid abutment (2-P abutment bridge): anatomically reduced and fully anatomical

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

Zfx™ Inhouse 5x
wet & dry

THE COMPACT MILLING UNIT
FOR 5-AXIS SIMULATION

With the Inhouse5x *wet & dry* Zfx offers a compact milling unit for 5-axis simultaneous machining which can be easily incorporated into any laboratory.

You will find more information at
www.zfx-dental.com

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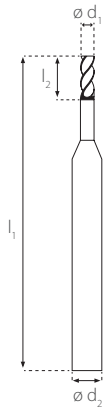
COBALT CHROMIUM
MILLING TOOLS

VHM milling tools with special coatings and cutting geometries for all work steps, from coarse filing to finishing and fine finishing. The tools are suitable for wet and dry processing.



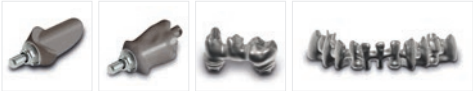
COCR MILLING TOOLS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T221	2.00 mm	40 mm	11.5 mm	ZFX06000519
T214	1.50 mm	40 mm	6 mm	ZFX06000480
T201	1.00 mm	40 mm	6 mm	ZFX06000478
T189	0.50 mm	40 mm	1.5 mm	ZFX06000479
T153	2.00 mm	40 mm	12 mm	ZFX06001244
T111	1.50 mm	40 mm	8 mm	ZFX06000476
T100	1.00 mm	40 mm	4 mm	ZFX06000481
T203	1.00 mm	45 mm	10 mm	ZFX06000493
T113	1.50 mm	45 mm	12 mm	ZFX06000494

Indications

+ Crown: anatomically reduced and fully anatomical
+ Bridge: anatomically reduced and fully anatomical
+ Partial crown
+ Primary telescope
+ Inlay, Onlay: anatomically reduced and fully anatomical

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com



COCR MILLING TOOLS FOR SCREW-RETAINED CONSTRUCTIONS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T221	2.00 mm	40 mm	11.5 mm	ZFX06000519
T214	1.50 mm	40 mm	6 mm	ZFX06000480
T201	1.00 mm	40 mm	6 mm	ZFX06000478
T189	0.50 mm	40 mm	1.5 mm	ZFX06000479
T153	2.00 mm	40 mm	12 mm	ZFX06001244
T111	1.50 mm	40 mm	8 mm	ZFX06000476
T100	1.00 mm	40 mm	4 mm	ZFX06000481
T409	1.50 mm	50 mm	21 mm	ZFX06002250
T260	1.00 mm	40 mm	4 mm	ZFX06002234
T176	1.00 mm	40 mm	6 mm	ZFX06002238
T171	1.50 mm	40 mm	4 mm	ZFX06002237
T170	1.00 mm	40 mm	2.5 mm	ZFX06002236
T158	1.50 mm	45 mm	15 mm	ZFX06000496
T156	1.50 mm	45 mm	16 mm	ZFX06000498
T154	2.00 mm	45 mm	16 mm	ZFX06000507
T151/ T251	1.50 mm	40 mm	8 mm	ZFX06002235
T155	2.00 mm	45 mm	20 mm	ZFX06002233
T159	1.50 mm	50 mm	20 mm	ZFX06002230
T259	0.40 mm	40 mm	3 mm	ZFX06002239

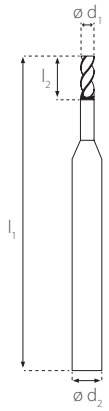
Indications

+ Titanium-based hybrid abutment (2-P abutment)
+ Titanium-based hybrid abutment (2-P abutment): anatomically reduced and fully anatomical
+ Screw-retained bridge at multi-unit level: anatomically reduced and fully anatomical
+ Titanium-based hybrid abutment (2-P abutment bridge): anatomically reduced and fully anatomical

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

TITANIUM
MILLING TOOLS

VHM milling tools with special coating for safe and efficient milling of titanium and pre-abutments.



TI MILLING TOOLS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T621	2.00 mm	40 mm	11.5 mm	ZFX06000490
T614	1.50 mm	40 mm	6 mm	ZFX06000488
T601	1.00 mm	40 mm	6 mm	ZFX06000486
T589	1.50 mm	40 mm	1.5 mm	ZFX06000487
T511	1.50 mm	40 mm	8 mm	ZFX06000484
T500	1.00 mm	40 mm	4 mm	ZFX06000489
T153	2.00 mm	40 mm	12 mm	ZFX06001244
T203	1.00 mm	45 mm	10 mm	ZFX06000493
T113	1.50 mm	45 mm	12 mm	ZFX06000494

Indications

+ Crown: anatomically reduced and fully anatomical
+ Bridge: anatomically reduced and fully anatomical
+ Partial crown
+ Primary telescope
+ Inlay, Onlay: anatomically reduced and fully anatomical

TI PRE-ABUTMENTS MILLING TOOLS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T621	2.00 mm	40 mm	11.5 mm	ZFX06000490
T511	1.50 mm	40 mm	8 mm	ZFX06000484
T153	2.00 mm	40 mm	12 mm	ZFX06001244
T151/ T251	1.50 mm	40 mm	8 mm	ZFX06002235

Indications

+ Individual abutment made from pre-manufactured abutment blank

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

TI TOOLS FOR SCREW-RETAINED CONSTRUCTIOns

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T621	2.00 mm	40 mm	11.5 mm	ZFX06000490
T614	1.50 mm	40 mm	6 mm	ZFX06000488
T601	1.00 mm	40 mm	6 mm	ZFX06000486
T589	1.50 mm	40 mm	1.5 mm	ZFX06000487
T511	1.50 mm	40 mm	8 mm	ZFX06000484
T500	1.00 mm	40 mm	4 mm	ZFX06000489
T153	2.00 mm	40 mm	12 mm	ZFX06001244
T409	1.50 mm	50 mm	21 mm	ZFX06002250
T260	1.00 mm	40 mm	4 mm	ZFX06002234
T176	1.00 mm	40 mm	6 mm	ZFX06002238
T171	1.50 mm	40 mm	4 mm	ZFX06002237
T170	1.00 mm	40 mm	2.5 mm	ZFX06002236
T158	1.50 mm	45 mm	15 mm	ZFX06000496
T156	1.50 mm	45 mm	16 mm	ZFX06000498
T154	2.00 mm	45 mm	16 mm	ZFX06000507
T151/ T251	1.50 mm	40 mm	8 mm	ZFX06002235
T155	2.00 mm	45 mm	20 mm	ZFX06002233
T159	1.50 mm	50 mm	20 mm	ZFX06002230
T259	0.40 mm	40 mm	3 mm	ZFX06002239

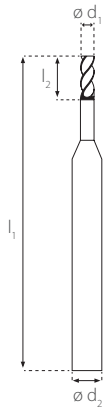
Indications

+ Titanium-based hybrid abutment (2-P abutment)
+ Titanium-based hybrid abutment (2-P abutment): anatomically reduced and fully anatomical
+ Screw-retained bridge at multi-unit level: anatomically reduced and fully anatomical
+ Titanium-based hybrid abutment (2-P abutment bridge): anatomically reduced and fully anatomical

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

PMMA AND WAX
MILLING TOOLS

Special cutting geometries for high-performance milling of all common plastics from the dental industry.



PMMA MILLING TOOLS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T21	2.00 mm	42 mm	15 mm	ZFX06000954
T16	1.50 mm	42 mm	10 mm	ZFX06000473
T11	1.00 mm	42 mm	8 mm	ZFX06000472
T6	0.60 mm	42 mm	6 mm	ZFX06000953

Indications

+ Crown: anatomically reduced and fully anatomical
+ Bridge: anatomically reduced and fully anatomical
+ Partial crown
+ Primary telescope
+ Veneer
+ Splint (Bite-Splint)
+ Inlay, Onlay: anatomically reduced and fully anatomical

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

PMMA MILLING TOOLS FOR SCREW-RETAINED CONSTRUCTIONS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T21	2.00 mm	42 mm	15 mm	ZFX06000954
T16	1.50 mm	42 mm	10 mm	ZFX06000473
T11	1.00 mm	42 mm	8 mm	ZFX06000472
T6	0.60 mm	42 mm	6 mm	ZFX06000953
T409	1.50 mm	50 mm	21 mm	ZFX06002250
T260	1.00 mm	40 mm	4 mm	ZFX06002234
T176	1.00 mm	40 mm	6 mm	ZFX06002238
T171	1.50 mm	40 mm	4 mm	ZFX06002237
T170	1.00 mm	40 mm	2.5 mm	ZFX06002236
T158	1.50 mm	45 mm	15 mm	ZFX06000496
T156	1.50 mm	45 mm	16 mm	ZFX06000498
T154	2.00 mm	45 mm	16 mm	ZFX06000507
T151/ T251	1.50 mm	40 mm	8 mm	ZFX06002235
T155	2.00 mm	45 mm	20 mm	ZFX06002233
T159	1.50 mm	50 mm	20 mm	ZFX06002230
T259	0.40 mm	40 mm	3 mm	ZFX06002239

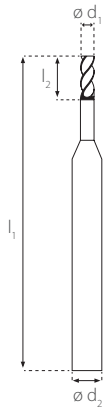
Indications

+ Titanium-based hybrid abutment (2-P abutment)
+ Titanium-based hybrid abutment (2-P abutment): anatomically reduced and fully anatomical
+ Screw-retained bridge at multi-unit level: anatomically reduced and fully anatomical
+ Titanium-based hybrid abutment bridge (2-P abutment bridge): anatomically reduced and fully anatomical

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

PU ACCURATE
MILLING TOOLS

Special cutting geometries for high-performance milling of all common plastics from the dental industry.



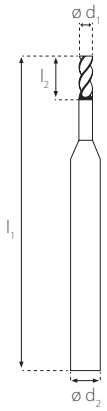
PU ACCURATE MILLING TOOLS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T162	4.00 mm	45 mm	16 mm	ZFX06000952
T21	2.00 mm	42 mm	15 mm	ZFX06000954
T16	1.50 mm	42 mm	10 mm	ZFX06000473
T11	1.00 mm	42 mm	8 mm	ZFX06000472
T6	0.60 mm	42 mm	6 mm	ZFX06000953

Indications

+ Crown: anatomically reduced and fully anatomical
+ Bridge: anatomically reduced and fully anatomical
+ Partial crown
+ Primary telescope
+ Inlay, Onlay: anatomically reduced and fully anatomical
+ Specimen

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com



GLASS AND HYBRID CERAMIC MILLING TOOLS

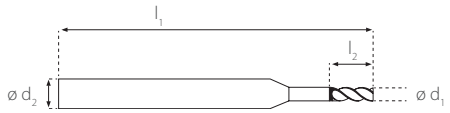
Grinding pins with extremely high quality diamond coating in different grain sizes for coarse filing, finishing and fine finishing.

GLASS AND HYBRID CERAMIC MILLING TOOLS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T126	2.00 mm	40 mm	12 mm	ZFX06000512
T125	1.00 mm	40 mm	10 mm	ZFX06000520
T124	0.50 mm	40 mm	10 mm	ZFX06000521
T128	2.00 mm	42 mm	17 mm	ZFX06T128

Indications

+ Crown: anatomically reduced and fully anatomical
+ Partial crown
+ Primary telescope
+ Inlay, Onlay: anatomically reduced and fully anatomical
+ Titanium-based hybrid abutment (2-P abutment): anatomically reduced and fully anatomical
+ Veneer



SPECIAL MILLING TOOLS

Special tool for milling geometries.

SPECIAL MILLING TOOLS

Tool ID	ø Cutter (d_1)	Length (l_1)	Insert length (l_2)	Item No.
T113	1.50 mm	45 mm	12 mm	ZFX06000494
T155	2.00 mm	45 mm	20 mm	ZFX06002233
T159	1.50 mm	50 mm	20 mm	ZFX06002330
T180	0.30 mm	40 mm	2 mm	ZFX06001084
T190	0.50 mm	40 mm	3.5 mm	ZFX06000495
T203	1.00 mm	45 mm	10 mm	ZFX06000493
T259	0.40 mm	40 mm	3 mm	ZFX06002239
T83	1.60 mm	40 mm	7.5 mm	ZFX06T83
T82	1.45 mm	40 mm	6.5 mm	ZFX06T82

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX ZIRCONIUM BLANKS

Zfx Zirconium blanks provide a wide range for producing a wide range of indications. The combination of the innovative powder concept and coordinated industrial manufacturing provide the highest quality and safety standards. The white or pre-colored blanks are available from opaque to highly translucent.

	WHITE		
	Zfx Zirconium Color 0.00	**Zfx Zirconium Cubic**	**Zfx Zirconium BionX²**
TRANSLUCENCE	35%	45%	49%
FLEXURAL STRENGTH	1,300 – 1,450 MPa	>1,250 MPa	750 MPa
FRACTURE TOUGHNESS	> 9 MPa√m	~ 10 MPa√m	> 4 MPa√m
	Page 18	**Page 19**	**Page 20**

WHITE	PRE-COLORED	
Zfx Zirconium Color Effect	Zfx Zirconium Cubic ML	Zfx Zirconium BionX² ML
40%	45%	49%
1,100 – 1,250 MPa	>1,250 MPa	750 – 800 MPa
> 10 MPa√m	~ 10 MPa√m	> 4,0 MPa√m
Page 21	**Page 22**	**Page 24**

ZFX ZIRCONIUM **COLOR 0.00**

The blanks impress with their strength and their hydrothermal long-term resistance. A completely homogeneous joint is produced by using a specially developed manufacturing process. The balanced composition and fine grain structure are the guarantee of excellent technical characteristics.

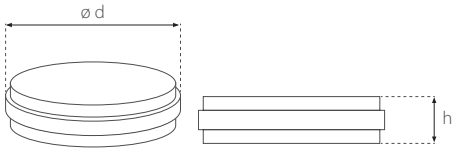
Indications

+ Single crown
+ Telescope
+ Anterior and posterior 3-unit bridge
+ Anterior and posterior bridge, from 4 units
+ Cantilever bridge with pontic

TECHNICAL SPECIFICATIONS

Physical properties		
E module	GPa	> 200
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	~ 10.5
Fracture toughness (SEVNB)	MPa√m	> 9
Flexural strength*	MPa	1,300 – 1,450
Translucence	%	35

*determined using 4-point and 3-point bending test



ZFX COLOR 0.00

Diameter d (mm)	Height h (mm)	Color	Item No.
98	10	white	ZFX08000522
98	12	white	ZFX08000523
98	14	white	ZFX08000524
98	16	white	ZFX08000525
98	18	white	ZFX08000526
98	20	white	ZFX08000527
98	25	white	ZFX08000528

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX ZIRCONIUM **CUBIC**

Indications

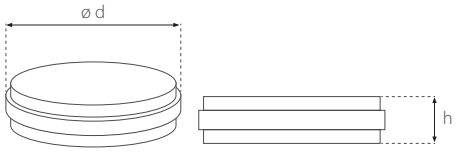
- Single crown +
- Telescope +
- Anterior and posterior 3-unit bridge +
- Anterior and posterior bridge, from 4 units +
- Cantilever bridge with pontic +

The first cubic zirconium oxide with increased fracture protection factor. This multi-indicative ceramic combines translucency and strength for the production of highly aesthetic fully-monolithic restorations. Because of a newly-developed material composition (4Y-TZP) and optimized manufacturing processes, a hybrid micro-joint is created in the ceramic.

TECHNICAL SPECIFICATIONS

Physical properties		
E module	GPa	> 200
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	~ 10.5
Fracture toughness (SEVNB)	MPa√m	~ 10
Flexural strength*	MPa	> 1,250
Translucence	%	45

*determined using 3-point bending test



ZFX CUBIC

Diameter d (mm)	Height h (mm)	Color	Item No.
98	10	white	ZFX08820
98	14	white	ZFX08822
98	18	white	ZFX08824
98	20	white	ZFX08825
98	25	white	ZFX08826

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX ZIRCONIUM **BION X²**

The Zfx BionX² is translucent like full ceramic and stable like zirconium oxide, therefore setting new material standards. The cubic-tetragonal mixed microstructure produces a previously unachieved combination of light transmission and excellent technical properties. The result is a bio-compatible high-performance ceramic (type II, class 5) for fully anatomical inlays, onlays, veneers and bridges with up to 3 units.

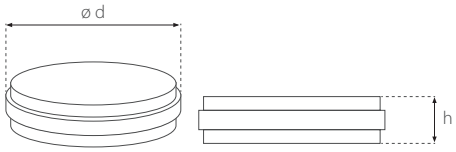
Indications

+ Single crown
+ Telescope
+ Anterior and posterior 3-unit bridge
+ Anterior and posterior bridge, from 4 units
+ Cantilever bridge with pontic

TECHNICAL SPECIFICATIONS

Physical properties		
E module	GPa	> 200
WAK (25 – 500 °C)	$10^{-6}K^{-1}$ CTE	~ 10
Fracture toughness (SEVNB)	MPa√m	> 4
Flexural strength*	MPa	> 750
Translucence	%	49

*determined using 4-point and 3-point bending test



ZFX BION X²

Diameter d (mm)	Height h (mm)	Color	Item No.
98	10	white	ZFX08000491
98	12	white	ZFX08000492
98	14	white	ZFX08000493
98	16	white	ZFX08000494
98	18	white	ZFX08000495
98	20	white	ZFX08000496
98	25	white	ZFX08000497

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX ZIRCONIUM **COLOR EFFECT**

Indications

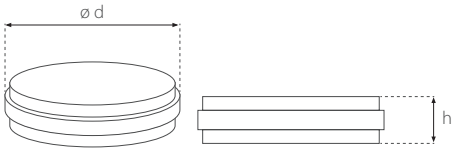
- Single crown +
- Telescope +
- Anterior and posterior 3-unit bridge +
- Anterior and posterior bridge, from 4 units +
- Cantilever bridge with pontic +

The Zfx Zirconium color effect combines the material properties of the „white" Zfx Zirconium Color with a significant increase in light permeability. The material impresses with its cost-effectiveness, and also has all of the advantages of an all-ceramic zirconium oxide dental prosthesis.

TECHNICAL SPECIFICATIONS

Physical properties		
E module	GPa	> 200
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	~ 10.5
Fracture toughness (SEVNB)	MPa√m	> 10
Flexural strength*	MPa	1,100 – 1,250
Translucence	%	40

*determined using 4-point and 3-point bending test



ZFX COLOR EFFECT

Diameter d (mm)	Height h (mm)	Color	Item No.
98	10	white	ZFX08000539
98	12	white	ZFX08000540
98	14	white	ZFX08000541
98	16	white	ZFX08000542
98	18	white	ZFX08000543
98	20	white	ZFX08000544
98	25	white	ZFX08000545

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX ZIRCONIUM **CUBIC ML**

Based on the „Zfx Cubic – high strength cubic zirconia system", the Cubic ML blanks provide a flowing color graduation from cervical to incisal. The production of aesthetic monoliths is more efficient than ever before.

Indications

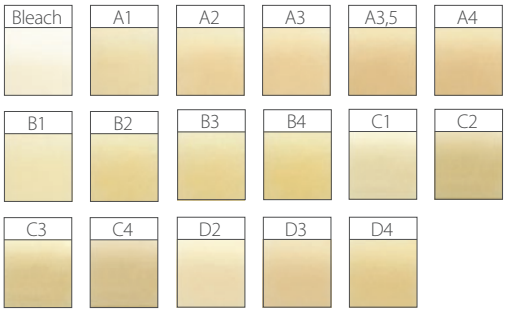
+ Single crown
+ Telescope
+ Anterior and posterior 3-unit bridge
+ Anterior and posterior 4-unit bridge
+ Cantilever bridge with pontic

TECHNICAL SPECIFICATIONS

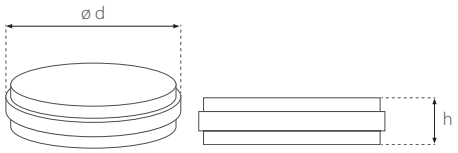
Physical properties		
E module	GPa	> 200
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	~ 10.5
Fracture toughness (SEVNB)	MPa√m	~ 10
Flexural strength*	MPa	> 1,250
Translucence	%	45

*determined using 3-point bending test

COLORS



The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com



ZFX CUBIC ML

Diameter d (mm)	**Height h** (mm)	**Color / Item No.**				
		Bleach				
98	**14**	ZFX08832017				
98	**18**	ZFX08834017				
98	**22**	ZFX08836017				
		Color				
		A1	**A2**	**A3**	**A3.5**	**A4**
98	**14**	ZFX08832007	ZFX08832001	ZFX08832002	ZFX08832003	ZFX08832009
98	**18**	ZFX08834007	ZFX08834001	ZFX08834002	ZFX08834003	ZFX08834009
98	**22**	ZFX08836007	ZFX08836001	ZFX08836002	ZFX08836003	ZFX08836009
		B1	**B2**	**B3**		**B4**
98	**14**	ZFX08832008	ZFX08832004	ZFX08832010		ZFX08832011
98	**18**	ZFX08834008	ZFX08834004	ZFX08834010		ZFX08834011
98	**22**	ZFX08836008	ZFX08836004	ZFX08836010		ZFX08836011
		C1	**C2**	**C3**		**C4**
98	**14**	ZFX08832012	ZFX08832005	ZFX08832013		ZFX08832014
98	**18**	ZFX08834012	ZFX08834005	ZFX08834013		ZFX08834014
98	**22**	ZFX08836012	ZFX08836005	ZFX08836013		ZFX08836014
			D2	**D3**		**D4**
98	**14**		ZFX08832015	ZFX08832006		ZFX08832016
98	**18**		ZFX08834015	ZFX08834006		ZFX08834016
98	**22**		ZFX08836015	ZFX08836006		ZFX08836016

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX ZIRCONIUM **BION X² ML**

Based on the „Zfx BionX2 cubic zirconia system", the Zfx BionX2 ML blanks provide a flowing color graduation from cervical to incisal. The production of aesthetic monoliths is more efficient than ever before.

Indications

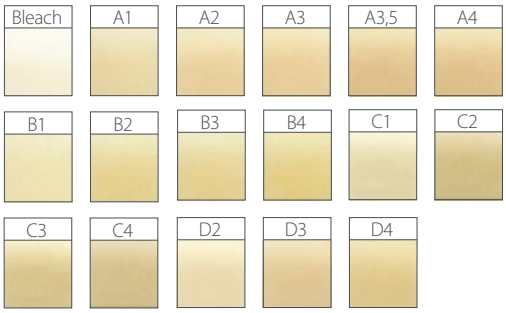
+ Single crown
+ Telescope
+ Anterior and posterior 3-unit bridge

TECHNICAL SPECIFICATIONS

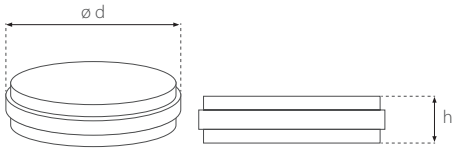
Physical properties		
E module	GPa	> 200
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	~ 10
Fracture toughness (SEVNB)	MPa√m	> 4.0
Flexural strength*	MPa	750 – 800
Translucence	%	49

*determined using 3-point bending test

COLORS



The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com



ZFX BION X² ML

Diameter d (mm)	Height h (mm)	Color / Item No.				
		Bleach				
98	14	ZFX08852017				
98	18	ZFX08854017				
98	22	ZFX08856017				
		Color				
		A1	A2	A3	A3.5	A4
98	14	ZFX08852007	ZFX08852001	ZFX08852002	ZFX08852003	ZFX08852009
98	18	ZFX08854007	ZFX08854001	ZFX08854002	ZFX08854003	ZFX08854009
98	22	ZFX08856007	ZFX08856001	ZFX08856002	ZFX08856003	ZFX08856009
		B1	B2	B3		B4
98	14	ZFX08852008	ZFX08852004	ZFX08852010		ZFX08852011
98	18	ZFX08854008	ZFX08854004	ZFX08854010		ZFX08854011
98	22	ZFX08856008	ZFX08856004	ZFX08856010		ZFX08856011
		C1	C2	C3		C4
98	14	ZFX08852012	ZFX08852005	ZFX08852013		ZFX08852014
98	18	ZFX08854012	ZFX08854005	ZFX08854013		ZFX08854014
98	22	ZFX08856012	ZFX08856005	ZFX08856013		ZFX08856014
			D2	D3		D4
98	14		ZFX08852015	ZFX08852006		ZFX08852016
98	18		ZFX08854015	ZFX08854006		ZFX08854016
98	22		ZFX08856015	ZFX08856006		ZFX08856016

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

KATANA ZIRCONIUM BLANKS

KATANA Zirconium YML, UTML, STML, HTML PLUS and HT: The portfolio of high-quality discs – with or without a multi-layer gradient – covers almost any requirement and every indication. Irrespective of the preferred finalization method, Kuraray Noritake provides you with a zirconium oxide with which you can create natural beauty on an everyday basis.

kuraray

	WHITE	PRE-COLORED
	Katana HT	**Katana HTML Plus**
TRANSLUCENCE	45 %	49 %
FLEXURAL STRENGTH	1,150 MPa	1,150 MPa
FRACTURE TOUGHNESS	5 MPa√m	5 MPa√m
	Page 28	**Page 29**

PRE-COLORED

	Katana STML	Katana UTML	Katana YML
	49 %	51 %	47 %
	750 MPa	550 MPa	1,100 MPa
	NA	NA	NA
	Page 30	**Page 31**	**Page 32**

KATANA ZIRCONIUM **HT**

KATANA Zirconium HT (High Translucent) blanks are white, highly translucent blanks which are ideal for individual coloring. The high translucence fulfills all aesthetic requirements. A low monocline transformation is the guarantee of excellent durability at a lower temperature.

Indications

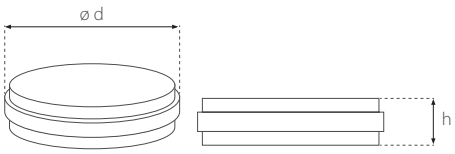
+ Veneer
+ Inlay / Onlay

TECHNICAL SPECIFICATIONS

Physical properties		
E module	GPa	214
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	9.9
Fracture toughness (SEVNB)	MPa√m	5.1
Flexural strength*	MPa	1,150
Translucence	%	45

*determined using 3-point bending test

COLORS



KATANA HT

Diameter **d** (mm)	Height **h** (mm)	Color / Item No.		
		Straight		
		HT	**HT12**	**HT13**
98.5	**10**	125-2111EU	125-2251EU	125-2301EU
		Collar		
		HT	**HT12**	**HT13**
98.5	**14**	125-2122EU	125-2262EU	125-2312EU
98.5	**18**	125-2133EU		125-2323EU
98.5	**22**	125-2144EU	125-2284EU	125-2334EU
98.5	**26**	125-2155EU	125-2295EU	125-2345EU

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

KATANA ZIRCONIUM **HTML PLUS**

Indications

- Front crown +
- Rear crown +
- 3-unit bridge +
- Long-span bridge +

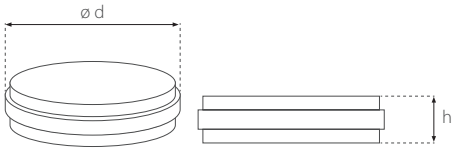
KATANA Zirconia HTML (High Translucent Multi Layered) blanks consist of four pre-shaded layers and make efficient production of a natural-looking dental prosthesis – without any staining, dipping or drying whatsoever. KATANA Zirconia HTML blanks are ideal for restorations which require high strength and where the effect of the abutment tooth must be reduced to a minimum.

TECHNICAL SPECIFICATIONS

Physical properties		
E module	GPa	214
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	9.9
Fracture toughness (SEVNB)	MPa√m	5.1
Flexural strength*	MPa	1,150
Translucence	%	49

*determined using 3-point bending test

COLORS



KATANA HTML PLUS

Diameter d (mm)	Height h (mm)	Color / Item No.				
				NW		
98.5	**14**			125-9312EU		
98.5	**18**			125-9323EU		
98.5	**22**			125-9334EU		
				Collar		
		A1	**A2**	**A3**	**A3,5**	**A4**
98.5	**14**	125-8922EU	125-8952EU	125-8982EU	125-9012EU	125-9042EU
98.5	**18**	125-8933EU	125-8963EU	125-8993EU	125-9023EU	125-9053EU
98.5	**22**	125-8944EU	125-8974EU	125-9004EU	125-9034EU	125-9064EU
		B1	**B2**	**B3**		
98.5	**14**	125-9072EU	125-9102EU	125-9132EU		
98.5	**18**	125-9083EU	125-9113EU	125-9143EU		
98.5	**22**	125-9094EU	125-9124EU	125-9154EU		
		C1	**C2**	**C3**		
98.5	**14**	125-9162EU	125-9192EU	125-9222EU		
98.5	**18**	125-9173EU	125-9203EU	125-9233EU		
98.5	**22**	125-9184EU	125-9214EU	125-9244EU		
			D2	**D3**		
98.5	**14**		125-9252EU	125-9282EU		
98.5	**18**		125-9263EU	125-9293EU		
98.5	**22**		125-9274EU	125-9304EU		

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

KATANA ZIRCONIUM **STML**

KATANA Zirconium STML (Super Translucent Multi Layered) blanks consist of 4 graduated color layers, and are characterized by their high natural translucency. The material is perfect for manufacturing aesthetic dental prostheses such as crowns, bridges, veneers and inlays/overlays.

Indications

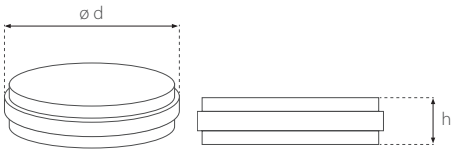
- Inlay / Onlay
- Front crown
- Rear crown
- 3-unit bridge

TECHNICAL SPECIFICATIONS

Physical properties		
E module	GPa	217
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	9.8
Fracture toughness (SEVNB)	MPa√m	3.2
Flexural strength*	MPa	750
Translucence	%	49

*determined using 3-point bending test

COLORS



KATANA STML

Diameter d (mm)	Height h (mm)	Color / Item No.				
				NW		
98.5	**14**			125-3242EU		
98.5	**18**			125-3253EU		
98.5	**22**			125-3264EU		
				Collar		
		A1	**A2**	**A3**	**A3,5**	**A4**
98.5	**14**	125-3122EU	125-3152EU	125-3182EU	125-3212EU	125-5232EU
98.5	**18**	125-3133EU	125-3163EU	125-3193EU	125-3223EU	125-5243EU
98.5	**22**	125-3144EU	125-3174EU	125-3204EU	125-3234EU	125-5254EU
		B1	**B2**	**B3**		
98.5	**14**	125-5262EU	125-5292EU	125-5322EU		
98.5	**18**	125-5273EU	125-5303EU	125-5333EU		
98.5	**22**	125-5284EU	125-5314EU	125-5344EU		
		C1	**C2**	**C3**		
98.5	**14**	125-5352EU	125-5382EU	125-5412EU		
98.5	**18**	125-5363EU	125-5393EU	125-5423EU		
98.5	**22**	125-5374EU	125-5404EU	125-5434EU		
			D2	**D3**		
98.5	**14**		125-5442EU	125-5472EU		
98.5	**18**		125-5453EU	125-5483EU		
98.5	**22**		125-5464EU	125-5494EU		

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

KATANA ZIRCONIUM **UTML**

Indications

- Veneer +
- Inlay / Onlay +
- Front crown +
- Rear crown +

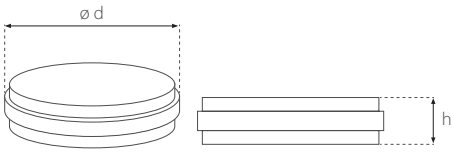
KATANA Zirconium UTML (Ultra Translucent Multi Layered) blanks also consist of 4 graduated color layers. Thanks to their very high translucency and the natural color gradient, the blanks are ideal for aesthetic anterior and posterior restorations such as veneers and anterior crowns. The blanks comply with the VITA shade guide (VITA classical A1 – D4).

TECHNICAL SPECIFICATIONS

Physical properties		
E module	GPa	217
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	9.7
Fracture toughness (SEVNB)	MPa√m	2.8
Flexural strength*	MPa	550
Translucence	%	51

*determined using 3-point bending test

COLORS



KATANA UTML

Diameter d (mm)	Height h (mm)	Color / Item No.				
		ENW				
98.5	**14**	125-3392EU				
98.5	**18**	125-3403EU				
		Collar				
		EA1	**EA2**	**EA3**		
98.5	**14**	125-3302EU	125-3332EU	125-3362EU		
98.5	**18**	125-3313EU	125-3343EU	125-3373EU		
		A1	**A2**	**A3**	**A3.5**	**A4**
98.5	**14**	125-3842EU	125-3872EU	125-3902EU	125-3932EU	125-3962EU
98.5	**18**	125-3853EU	125-3883EU	125-3913EU	125-3943EU	125-3973EU
		B1	**B2**	**B3**		**B4**
98.5	**14**	125-3992EU	125-4022EU	125-4052EU		125-4082EU
98.5	**18**	125-4003EU	125-4033EU	125-4063EU		125-4093EU
		C1	**C2**	**C3**		**C4**
98.5	**14**	125-4112EU	125-4142EU	125-4172EU		125-4202EU
98.5	**18**	125-4123EU	125-4153EU	125-4183EU		125-4213EU
			D2	**D3**		**D4**
98.5	**14**		125-4232EU	125-4262EU		125-4292EU
98.5	**18**		125-4243EU	125-4273EU		125-4303EU

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

KATANA ZIRCONIUM **YML**

The innovative combination of different raw materials gives the material high translucency and outstanding strength. KATANA Zirconia YML provides handling efficiency, clarity, simplicity and precision – without compromising the end product!

Indications

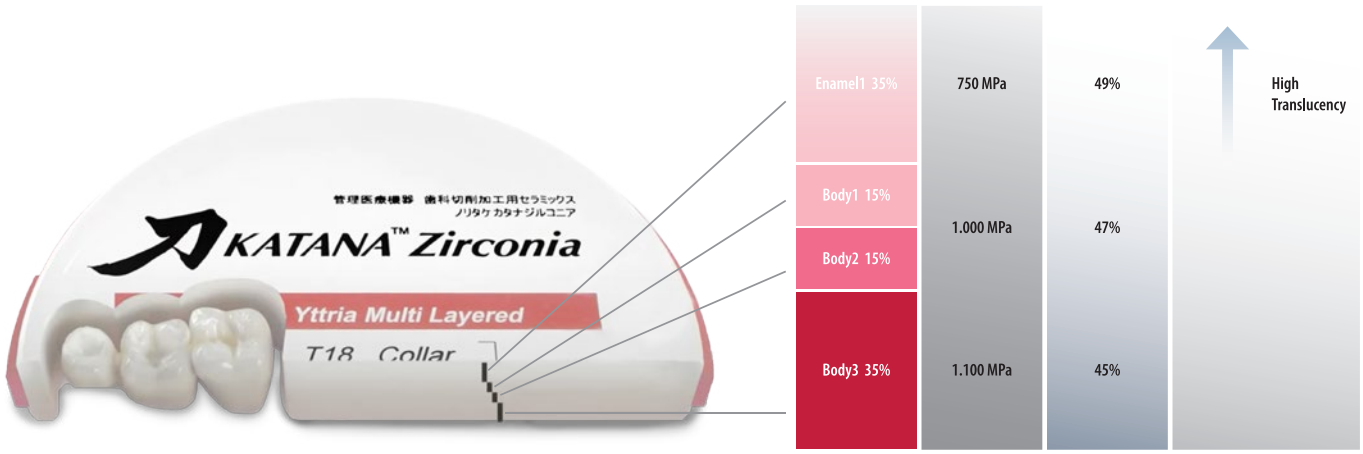
+ Veneer
+ Inlay / Onlay
+ Anterior and posterior bridge
+ Long-span bridge
+ Framework
+ Complete jaw restoration (14)

TECHNICAL SPECIFICATIONS

Physikalische Eigenschaften		
E module	GPa	214 – 217
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	10.1
Fracture toughness (SEVNB)	MPa√m	3.2 – 5.1
Flexural strength*	MPa	1100
Translucence	%	47

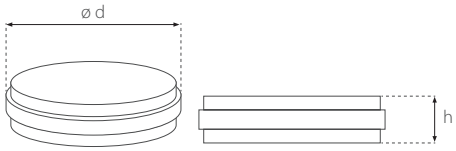
*determined using 3-point bending test

COLORS



The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

KATANA YML



Diameter d (mm)	Height h (mm)	Color / Item No.				
		NW				
98.5	14	125-8322EU				
98.5	18	125-8333EU				
98.5	22	125-8344EU				
		Collar				
		A1	A2	A3	A3.5	A4
98.5	14	125-7932EU	125-7962EU	125-7992EU	125-8022EU	125-8052EU
98.5	18	125-7943EU	125-7973EU	125-8003EU	125-8033EU	125-8063EU
98.5	22	125-7954EU	125-7984EU	125-8014EU	125-8044EU	125-8074EU
		B1	B2	B3		
98.5	14	125-8082EU	125-8112EU	125-8142EU		
98.5	18	125-8093EU	125-8123EU	125-8153EU		
98.5	22	125-8104EU	125-8134EU	125-8164EU		
		C1	C2	C3		
98.5	14	125-8172EU	125-8202EU	125-8232EU		
98.5	18	125-8183EU	125-8213EU	125-8243EU		
98.5	22	125-8194EU	125-8224EU	125-8254EU		
			D2	D3		
98.5	14		125-8262EU	125-8292EU		
98.5	18		125-8273EU	125-8303EU		
98.5	22		125-8284EU	125-8314EU		

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

VITA ZIRCONIUM BLANKS

VITA provides material solutions from a single source for a wide range of indications. As well as materials for temporary restorations, the portfolio also includes aesthetic materials for individual tooth restorations (inlays, overlays, full / partial crowns and veneers), high-strength blanks for frameworks and monolithic bridge restorations and solutions for implant-supported dental prostheses.

VITA

	WHITE	PRE-COLORED
	Vita YZ HT White	**Vita YZ HT Color**
TRANSLUCENCE	42 %	42 %
FLEXURAL STRENGTH	1,150 MPa	1,150 MPa
FRACTURE TOUGHNESS	4.5 MPa√m	4.5 MPa√m
	Page 36	**Page 36**

WHITE	PRE-COLORED	
Vita YZ ST White	**Vita YZ ST Color**	**Vita YZ ST Multicolor**
46 %	46 %	46 %
850 MPa	850 MPa	850 MPa
3.5 MPa√m	3.5 MPa√m	3.5 MPa√m
Page 38	**Page 38**	**Page 38**

VITA ZIRCONIUM **YZ HT**

VITA YZ HT (High Translucent) color blanks are used to produce fully/partially veneered reconstructions and monolithic bridge restorations for fully-veneered frameworks. Natural, color-accurate and individual results can be produced with the edge-stable material blanks with a homogeneous microstructure.

Indications

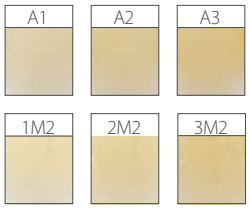
+ Inlay / Onlay
+ Veneer
+ Anterior and posterior crown
+ Anterior and posterior bridge
+ Multi-unit anterior and posterior bridge
+ Cantilever bridge with pontic

TECHNICAL SPECIFICATIONS

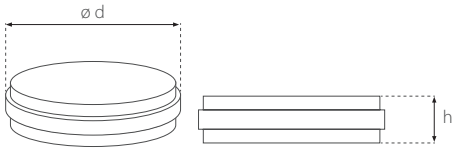
Physical properties		
E module	GPa	210
WAK (25 – 500 °C)	$10^{-6}K^{-1}$CTE	10.5
Fracture toughness	MPa√m	4.5
Flexural strength*	MPa	1,200
Translucence	%	42

*determined using 3-point bending test

COLORS



The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com



VITA YZ HT

Diameter d (mm)	Height h (mm)	Color / Item No.		
		White		
98.4	12	ECDY14981200		
98.4	14	ECDY14981400		
98.4	16	ECDY14981600		
98.4	18	ECDY14981800		
98.4	20	ECDY14982000		
98.4	25	ECDY14982500		
		Color		
		A1	A2	A3
98.4	14	ECDY24981436	ECDY24981437	ECDY24981438
98.4	18	ECDY24981836	ECDY24981837	ECDY24981838
98.4	20	ECDY24982036	ECDY24982037	ECDY24982038
98.4	25	ECDY24982536	ECDY24982537	ECDY24982538
		1M2	2M2	3M2
98.4	14	ECDY24981407	ECDY24981412	ECDY24981420
98.4	18	ECDY24981807	ECDY24981812	ECDY24981820
98.4	20	ECDY24982007	ECDY24982012	ECDY24982020
98.4	25	ECDY24982507	ECDY24982512	ECDY24982520

*Minimum order quantity per item no.: 5 pieces; the values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

VITA ZIRCONIUM **YZ ST**

VITA YZ ST (High Translucent) blanks are used to produce partially veneered reconstructions and monolithic restorations in the posterior area. Natural, color-accurate and individual results can be produced with the edge-stable material blanks with a homogeneous microstructure.

Indications

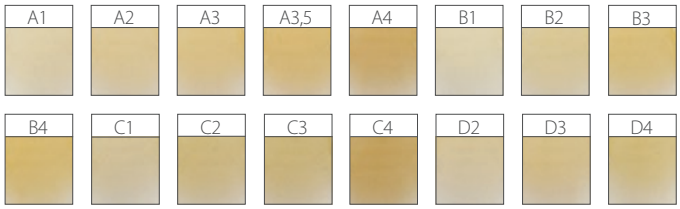
+ Inlay / Onlay
+ Veneer
+ Anterior and posterior crown
+ Anterior and posterior bridge
+ Multi-unit anterior and posterior bridge
+ Cantilever bridge with pontic

TECHNICAL SPECIFICATIONS

Physical properties		
E module	GPa	210
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	10.3
Fracture toughness	MPa√m	3.5
Flexural strength*	MPa	> 850
Translucence	%	46

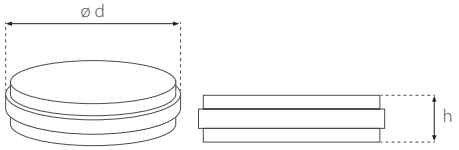
*determined using 3-point bending test

COLORS



The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

VITA YZ ST



Diameter d (mm)	Height h (mm)	Color / Item No.				
		White				
98.4	**14**	EDWYS7981400				
98.4	**18**	EDWYS7981800				
98.4	**20**	EDWYS7982000				
98.4	**25**	EDWYS7982500				
		Color				
		A1	**A2**	**A3**	**A3.5**	**A4**
98.4	**14**	EDCYS7981436	EDCYS7981437	EDCYS7981438	EDCYS7981439	EDCYS7981440
98.4	**18**	EDCYS7981836	EDCYS7981837	EDCYS7981838	EDCYS7981839	EDCYS7981840
98.4	**20**	EDCYS7982036	EDCYS7982037	EDCYS7982038	EDCYS7982039	EDCYS7982040
98.4	**25**	EDCYS7982536	EDCYS7982537	EDCYS7982538	EDCYS7982539	EDCYS7982540
		B1	**B2**	**B3**		**B4**
98.4	**14**	EDCYS7981441	EDCYS7981442	EDCYS7981443		EDCYS7981444
98.4	**18**	EDCYS7981841	EDCYS7981842	EDCYS7981843		EDCYS7981844
98.4	**20**	EDCYS7982041	EDCYS7982042	EDCYS7982043		EDCYS7982044
98.4	**25**	EDCYS7982541	EDCYS7982542	EDCYS7982543		EDCYS7982544
		C1	**C2**	**C3**		**C4**
98.4	**14**	EDCYS7981445	EDCYS7981446	EDCYS7981447		EDCYS7981448
98.4	**18**	EDCYS7981845	EDCYS7981846	EDCYS7981847		EDCYS7981848
98.4	**20**	EDCYS7982045	EDCYS7982046	EDCYS7982047		EDCYS7982048
98.4	**25**	EDCYS7982545	EDCYS7982546	EDCYS7982547		EDCYS7982548
			D2	**D3**		**D4**
98.4	**14**		EDCYS7981449	EDCYS7981450		EDCYS7981451
98.4	**18**		EDCYS7981849	EDCYS7981850		EDCYS7981851
98.4	**20**		EDCYS7982049	EDCYS7982050		EDCYS7982051
98.4	**25**		EDCYS7982549	EDCYS7982550		EDCYS7982551
		Multicolor				
		A1	**A2**	**A3**	**A3.5**	
98.4	**14**	EDMYS7981436	EDMYS7981437	EDMYS7981438	EDMYS7981439	
98.4	**18**	EDMYS7981836	EDMYS7981837	EDMYS7981838	EDMYS7981839	
98.4	**22**	EDMYS7982236	EDMYS7982237	EDMYS7982238	EDMYS7982239	
			B2			
98.4	**14**		EDMYS7981442			
98.4	**18**		EDMYS7981842			
98.4	**22**		EDMYS7982242			
			C2			
98.4	**14**		EDMYS7981446			
98.4	**18**		EDMYS7981846			
98.4	**22**		EDMYS7982246			
			D2			
98.4	**14**		EDMYS7981449			
98.4	**18**		EDMYS7981849			
98.4	**22**		EDMYS7982249			

*Minimum order quantity per item no.: 5 pieces; the values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

UPCERA ZIRCONIUM BLANKS

The translucent zirconium blanks from Upcera open up a world full possibilities for you! Be it in white or multi-layer, the blanks make a particular impression with their translucency, which changes from one layer to the next. They are completely SFDA, FDA and CE certified, and are manufactured in accordance with ISO 13485.

	WHITE
	Upcera ST White
TRANSLUCENCE	43 %
FLEXURAL STRENGTH	> 1,200 MPa
FRACTURE TOUGHNESS	NA
	Page 42

PRE-COLORED	
Upcera Explore Funktional Multilayer	**Upcera Explore Esthetic Multilayer**
43 – 46.6 %	47 – 48.8 %
1,027 - 1,300 MPa	727 - 1,000 MPa
5.1 MPa√m	4.3 MPa√m
Page 44	**Page 44**

UPCERA ZIRCONIUM **ST WHITE**

The Upcera ST White combines the material properties of the „white“ Zfx Zirconium Color with a significant increase in light permeability. The material impresses with its cost-effectiveness, and also has all of the advantages of an all-ceramic zirconium oxide dental prosthesis. The indications include crowns and bridges.

Indications

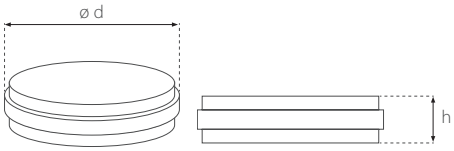
+ Fully contoured crown in the posterior area
+ Posterior bridge
+ Fully-contoured bridge

TECHNICAL SPECIFICATIONS

Physical properties		
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	10.5
Flexural strength*	MPa	> 1,200
Fracture toughness	MPa√m	NA
Translucence	%	43

*determined using 4-point and 3-point bending test

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com



UPCERA ST WHITE

Diameter d (mm)	**Height h** (mm)	**Item No.**
98	10	D98-10
98	12	D98-12
98	14	D98-14
98	16	D98-16
98	18	D98-18
98	20	D98-20
98	22	D98-22
98	25	D98-25

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

UPCERA ZIRCONIUM **MULTILAYER**

The „Functional" and „Aesthetic" „explore" blanks are characterized by their multi-layer color gradient, anterior translucency for incisors, a 4D hardness gradient for supporting any bridge constructions and high flexural strength to prevent split-offs. The blanks are suitable for the use of numerous indications.

Indications

+ Anterior tooth with reduced crown
+ Reduced bridge, anterior tooth (3 pieces)
+ Reduced crown, posterior tooth
+ Reduced bridge, posterior tooth (3 pieces)

FUNCTIONAL EXPLORE TECHNICAL SPECIFICATIONS

Physical properties		
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	10.5
Biegefestigkeit*	MPa	1,300
Bruchzähigkeit	MPa√m	5.1
Transluzenz	%	43 – 46.6

*determined using 4-point and 3-point bending test

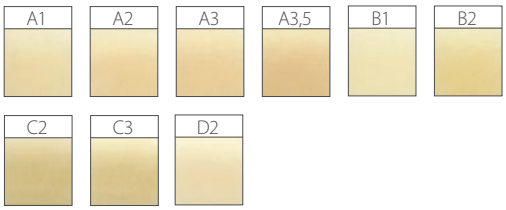
ÉSTHETIC EXPLORE TECHNICAL SPECIFICATIONS

Physical properties		
WAK (25 – 500 °C)	$10^{-6}K^{-1}$	10.5
Flexural strength*	MPa	1,000
Fracture toughness	MPa√m	4.3
Translucence	%	47 – 48.8

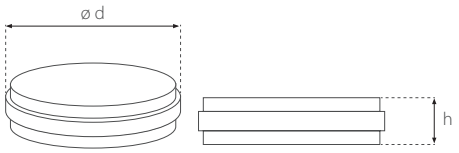
*determined using 4-point and 3-point bending test

COLORS

COLORS

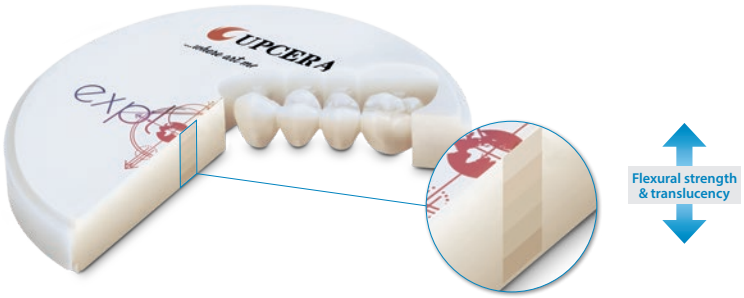


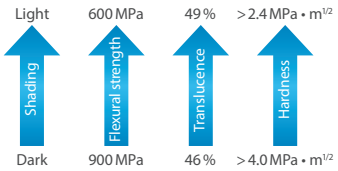
The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com



UPCERA MULTILAYER

Diameter d (mm)	Height h (mm)	Color / Item No.			
		Functional			
		A1	A2	A3	A3.5
98	14	FU-ML-A1-98-14	FU-ML-A2-98-14	FU-ML-A3-98-14	FU-ML-A35-98-14
98	18	FU-ML-A1-98-18	FU-ML-A2-98-18	FU-ML-A3-98-18	FU-ML-A35-98-18
98	22	FU-ML-A1-98-22	FU-ML-A2-98-22	FU-ML-A3-98-22	FU-ML-A35-98-22
		B1	B2		
98	14	FU-ML-B1-98-14	FU-ML-B2-98-14		
98	18	FU-ML-B1-98-18	FU-ML-B2-98-18		
98	22	FU-ML-B1-98-22	FU-ML-B2-98-22		
			C2	C3	
98	14		FU-ML-C2-98-14	FU-ML-C3-98-14	
98	18		FU-ML-C2-98-18	FU-ML-C3-98-18	
98	22		FU-ML-C2-98-22	FU-ML-C3-98-22	
			D2		
98	14		FU-ML-D2-98-14		
98	18		FU-ML-D2-98-18		
98	22		FU-ML-D2-98-22		
		Esthetic			
		A1	A2	A3	A3.5
98	14	ES-ML-A1-98-14	ES-ML-A2-98-14	ES-ML-A3-98-14	ES-ML-A35-98-14
98	18	ES-ML-A1-98-18	ES-ML-A2-98-18	ES-ML-A3-98-18	ES-ML-A35-98-18
98	22	ES-ML-A1-98-22	ES-ML-A2-98-22	ES-ML-A3-98-22	ES-ML-A35-98-22
		B1	B2		
98	14	ES-ML-B1-98-14	ES-ML-B2-98-14		
98	18	ES-ML-B1-98-18	ES-ML-B2-98-18		
98	22	ES-ML-B1-98-22	ES-ML-B2-98-22		
			C2	C3	
98	14		ES-ML-C2-98-14	ES-ML-C3-98-14	
98	18		ES-ML-C2-98-18	ES-ML-C3-98-18	
98	22		ES-ML-C2-98-22	ES-ML-C3-98-22	
			D2		
98	14		ES-ML-D2-98-14		
98	18		ES-ML-D2-98-18		
98	22		ES-ML-D2-98-22		





The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX TITANIUM / COBALT CHROMIUM BLANKS

Zfx blanks made from titanium and cobalt chromium impress with their high elongation at break, which makes them very suitable for ceramic veneering.

	TITANIUM
	Titanium G5
DENSITY	4.4 g/cm³
TENSILE STRENGTH	885 MPa
ELONGATION AT BREAK	8 %
	Page 48

COBALT CHROMIUM

	Cobalt Chromium	**Cobalt Chromium Eco**
	8.55 g/cm³	8.8 g/cm³
	819 MPa	680 MPa
	14 %	9 %
	Page 50	**Page 51**

ZFX
TITANIUM G5

The high-quality titanium alloy impresses with its consistent quality and its high fracture and hardness values. The titanium blank is therefore ideally suitable for the production of crowns and bridges in the anterior and posterior areas, and for implant and bar constructions. Any commercially available veneerable ceramic can be used for veneering.

Indications

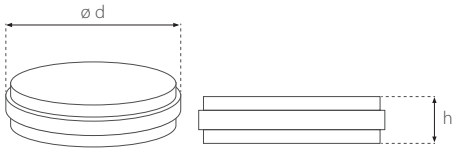
+ Crowns and bridges with up to 16 units (max. 4 bridge units in the anterior area and max. 3 bridge units in the posterior area)
+ Implant-supported suprastructure, abutment
+ Bar

TECHNICAL SPECIFICATIONS

Physical properties		
Density	g/cm³	4.4
Hardness	HV 10/30	318
E module	MPa	174,000
WAK (25–500 °C)	$10^{-6}K^{-1}$ CTE	10.3
Tensile strength	MPa	885

Chemical composition	
Titanium	~90 %
Ferrum	0.13 %
Aluminium	6.0 %
Vanadium	4.1 %
Oxygen	0.1 %
Hydrogen	0.001 %
Nitrogen	0.01 %
Carbon	0.03 %

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com



ZFX TITANIUM G5

Diameter d (mm)	**Height h** (mm)	**Item No.**
98	**10**	ZFX08000710
98	**12**	ZFX08000712
98	**14**	ZFX08000714
98	**15**	ZFX08000715
98	**16**	ZFX08000716
98	**18**	ZFX08000718
98	**20**	ZFX08000720
98	**22**	ZFX08000722
98	**25**	ZFX08000725

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX
COBALT CHROMIUM

Zfx Cobalt Chromium is a nickel and beryllium-free, veneerable non-previous milling alloy made from cobalt chromium. The material can be used to produce crowns and bridges, one-piece abutments and implant-supported suprastructures. Because of its reduced hardness, the CoCr blank is ideal for milling and ceramic veneering.

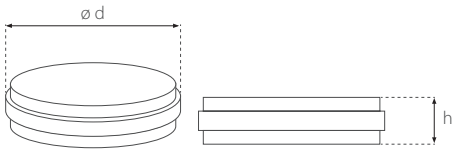
Indications

+ Crowns and bridges with up to 16 units (max. 4 bridge units in the anterior area and max. 3 bridge units in the posterior area)
+ Implant-supported superstructure
+ Bar

TECHNICAL SPECIFICATIONS

Physical properties		
Density	g/cm³	8.55
Hardness	HV 10/30	275
E module	MPa	240,000
WAK (25–500 °C)	$10^{-6}K^{-1}$ CTE	14.5
Tensile strength	MPa	819

Chemical composition	
Cobalt	50–70 %
Chromium	19–30 %
Silicon	0–2 %



ZFX COBALT CHROMIUM

Diameter d (mm)	Height h (mm)	Item No.
98	**10**	ZFX08000561
98	**12**	ZFX08000562
98	**13.5**	ZFX08000563
98	**15**	ZFX08000564
98	**18**	ZFX08000565
98	**20**	ZFX08000609
98	**24.5**	ZFX08000566

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX
COBALT CHROMIUM ECO

Indications

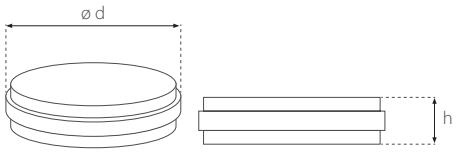
- Single crown +
- Bridge in every span width for veneering with dental ceramic +
- Cone and telescopic technology +
- Primary and secondary components +
- Implant construction +
- Fully cast crown +
- Fully cast bridge +

With the industrially manufactured Zfx™ Cobalt Chromium Eco Blanks, Zfx is able to provide a cost-effective alternative for the production of high-quality dental prosthetics. The material has been specially optimized for the requirements of the Zfx Inhouse5x milling. It is characterized by having excellent milling properties and low milling tool wear. The nickel and beryllium-free blanks are suitable for single crowns as well as for complex implant restorations or ceramic veneering.

TECHNICAL SPECIFICATIONS

Physical properties		
Density	g / cm³	8.8
Hardness	HV 5 / 30	350
E module	MPa	250,000
WAK (25 – 500 °C)	$10^{-6}K^{-1}$ CTE	14.4
Tensile strength	MPa	610

Chemical composition	
Cobalt	50 – 100 %
Chromium	25 – 50 %



ZFX COBALT CHROMIUM ECO

Diameter d (mm)	Height h (mm)	Item No.
98	**10**	ZFX08000810
98	**12**	ZFX08000812
98	**13.5**	ZFX08000813
98	**15**	ZFX08000815
98	**18**	ZFX08000818
98	**20**	ZFX08000820

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX HIGH-PERFORMANCE POLYMERE BLANKS

The perfect solution, especially for allergy sufferers.

	PMMA
	Poly X ML
DENSITY	1.18 g/cm³
FLEXURAL STRENGTH	90 MPa
WATER ABSORPTION	25 µg/mm³
	Page 54

	PMMA	
	PMMA Splint	**PMMA Temp**
	1.17 g/cm³	-
	92 MPa	78 – 90 MPa
	0.02 µg/mm³	19 – 25 µg/mm³
	Page 56	**Page 57**

ZFX POLYMER **POLY X ML**

The Zfx Poly X ML blanks consist of methyl methacrylate (PMMA)-based multi-layer acrylic polymer, with toxic or allergenic substances (in accordance with ISO 10993-5).

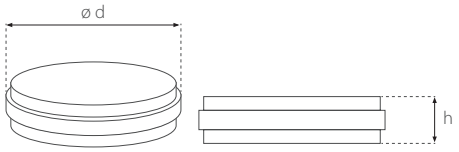
Indications

+ Crowns and bridges in the anterior and posterior area (up to max. 2 units)

TECHNICAL SPECIFICATIONS

Physical properties		
Flexural strength	MPa	90
Bending module	MPa	2,300
Water absorption	µg / mm³	25
Residual monomer content	%	< 2
Solubility	µg / mm³	0.0
Density	g / cm³	1.18

Chemical composition	
Polymethylmethacrylat	> 99 %
Color pigments	< 1 %



ZFX POLY X ML

Diameter d (mm)	**Height h** (mm)	**Color / Item No.**			
		A0	**A1**	**A2**	**A3**
98	**16**		KML0116	KML0216	KML0316
98	**20**		KML0416	KML0220	KML0320
		B0			**B3**
98	**16**	KML0416			KML0516
98	**20**	KML0420			KML0520
			C2		
98	**15**		KML0616		
98	**20**		KML0620		

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

Zfx™ Evolution *NEXT*

THE NEW LEVEL
OF DESKTOP SCANNING

Desktop scanning has reached a new level of development with Evolution NEXT. The digital stripe-light scanner has no door, and needs little space thanks to its compact design. The Zfx Evolution NEXT is the ideal partner for everyday laboratory tasks – precise, fast and cost-effective.

You will find more information at
www.zfx-dental.com

A COMPANY OF ZimVie

ZFX POLYMERE **PMMA SPLINT**

The industrially polymerised thermoplastic PMMS, which consists of carbon chains, is characterized by its high fracture and flexural strength. The outstanding body compatibility makes it ideal for allergy sufferers. The material is extremely color-stable and has a high degree of translucency. The dense material microstructure provides resistance to staining. PMMA is suitable for the production of temporary crowns, bridges, inlays and onlays, among other things.

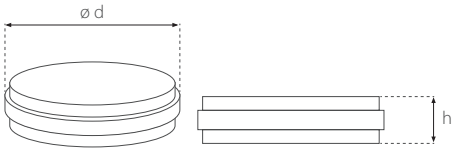
Indications

+ Crown
+ Bridge
+ Inlay / Onlay
+ Splint
+ Bite regulator

TECHNICAL SPECIFICATIONS

Physical properties		
Density	g / cm³	1.17
Flexural strength	MPa	92
Water absorption	µg / mm³	0.2
Solubility	g / mm³	0.0

Chemical composition	
Poly methyl methacrylate	100 %



ZFX PMMA SPLINT

Diameter d (mm)	**Height h** (mm)	**Item No.**
98	15	ZFX08002000
98	20	ZFX08002001

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX POLYMERE **PMMA TEMP**

Indications

Crown +

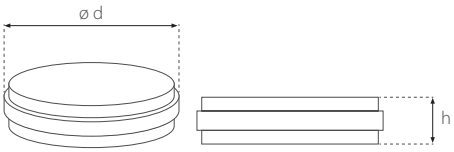
Bridge +

The Zfx PMMA Temp blanks consist of thermoplastic acylic polymer based on Methyl methacrylate (PMMA), without toxic or allergenic substances.

TECHNICAL SPECIFICATIONS

Physical properties		
Flexural strength	MPa	96
Bending module	MPa	2,030
Water absorption	µg / mm³	< 24
Residual monomer content	%	< 0.5

Chemical composition	
Polymethylmethacrylate	> 99 %
Color pigments	< 1 %



ZFX PMMA TEMP

Diameter d (mm)	**Height h** (mm)	**Color / Item No.**			
		Color			
		A1	**A2**	**A3**	**A3.5**
98	**15**	ZFX08002060	ZFX08002062	ZFX08002064	ZFX08002066
98	**20**	ZFX08002061	ZFX08002063	ZFX08002065	ZFX08002067
			B2	**B3**	
98	**15**		ZFX08002068		
98	**20**		ZFX08002069		
			C2		
98	**15**		ZFX08002070		
98	**20**		ZFX08002071		
				D3	
98	**15**			ZFX08002072	
98	**20**			ZFX08002073	

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

VITA CERAMIC

The versatile hybrid and glass ceramic blanks from VITA Zahnfabrik provide high-precision and detailed results.

VITA

	HYBRID CERAMIC	GLASS CERAMIC
	Vita Enamic	**Vita Suprinity**
	Translucency levels (ST, HT, T)	Translucency levels (T, HT)
	-	11.9 - 12.3 WAK
FLEXURAL STRENGTH	150 - 160 MPa	ca. 420 MPa
	Page 60	**Page 61**

OTHER BLANKS

Wax Blanks	**PU Accurate**
Gray	Gray or Ivory
Dripping point 100 -130 °C	Density 1.0 g/cm³
-	Gray 50 MPa Ivory 48 MPa
Page 62	**Page 63**

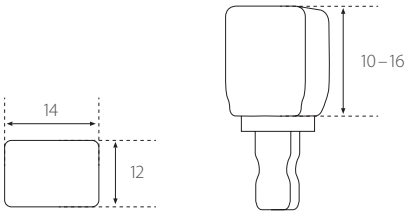
VITA **ENAMIC** HYBRID CERAMIC

VITA ENAMIC is a dental hybrid ceramic with a dual network structure. The dominating ceramic network is reinforced by a polymer network, whereby both networks penetrate completely (polymer network ~ 14 % by weight, ceramic network ~ 86 % by weight). The hybrid ceramic is characterized by extreme resilience, provides a substance-protecting restoration and impresses with extremely tooth-like characteristics. The result is high precision and detailed.

Indications

+ Anterior and posterior crown on implants
+ Anterior and posterior crown
+ Inlay / Onlay / partial crown
+ Tabs tops
+ Veneer

TECHNICAL SPECIFICATIONS



Physical properties		
Flexural strength	MPa	150 – 160
Resistance to cracking	MPa√m	1.5
Elasticity module	GPa	30
Hardness	GPa	2.5

COLORS

VITA ENEMIC

Height h (mm)	**Contents**	**Color / Item No.**					
		Color					
		0M1-HT	**1M1-HT**	**1M2-HT**	**2M2-HT**	**3M2-HT**	**4M2-HT**
10	5 pcs.	EN1EM4022645	EN1EM4062645	EN1EM4072645	EN1EM4122645	EN1EM4202645	EN1EM4282645
14	5 pcs.	EN1EM4022765	EN1EM4062765	EN1EM4072765	EN1EM4122765	EN1EM4202765	EN1EM4282765
		0M1-T	**1M1-T**	**1M2-T**	**2M2-T**	**3M2-T**	**4M2-T**
14	5 pcs.	EN1EM3022765	EN1EM3062765	EN1EM3072765	EN1EM3122765	EN1EM3202765	EN1EM3282765
			1M1-ST	**1M2-ST**	**2M2-ST**	**3M2-ST**	**4M2-ST**
14	5 pcs.		EN1EM7062765	EN1EM7072765	EN1EM7122765	EN1EM7202765	EN1EM7282765
		Multicolor					
			1M1-HT	**1M2-HT**	**2M2-HT**	**3M2-HT**	**4M2-HT**
14	5 pcs.		EN1EC4062765	EN1EC4072765	EN1EC4122765	EN1EC4202765	EN1EC4282765
16	5 pcs.		EN1EC4062885	EN1EC4072885	EN1EC4122885	EN1EC4202885	EN1EC4282885

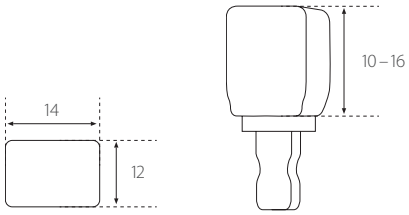
The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

VITA **SUPRINITY** GLASS CERAMIC

Indications

Anterior and posterior crown on implants +
Anterior and posterior crown +
Inlay / onlay / partial crown +
Veneer +

Thanks to its fine-grained and homogeneous microstructure, VITA SUPRINITY provides accurately fitting end results and is characterized by its consistently high resilience. The integrated translucence, fluorescence and opalescence provide a natural play of colors and highly aesthetic results. The material has excellent processing characteristics such as the simple manual grinding and polishing capability. With a wide range of indications of crowns in the anterior and posterior area to supra-restorations on implants to veneers, inlays and onlays, the new CAD / CAM ceramic is very versatile.



TECHNICAL SPECIFICATIONS

Physical properties		
WAK	$10^{-6}K^{-1}$	11.9 – 12.3
Flexural strength*	MPa	ca. 420
E module	GPa	ca. 70

*determined using 3-point bending test

COLORS

VITA SUPRINITY PC, Highly translucent (HT)
VITA classical A1-D4: A1, A2, A3, A3,5, B2, C2, D2
VITA SYSTEM 3D-MASTER: 0M1, 1M1, 1M2, 2M2, 3M2, 4M2
VITA SUPRINITY PC, translucent (T)
VITA classical A1-D4: A1, A2, A3, A3,5, B2, C2, D2
VITA SYSTEM 3D-MASTER: 0M1, 1M1, 1M2, 2M2, 3M2, 4M2

VITA SUPRINITY

Color	Contents	Item No.
		Translucent
0M1-T	5 pcs.	EN1S03024445
A1-T	5 pcs.	EN1S03364445
A2-T	5 pcs.	EN1S03374445
A3-T	5 pcs.	EN1S03384445
A3.5-T	5 pcs.	EN1S03394445
B2-T	5 pcs.	EN1S03424445
C2-T	5 pcs.	EN1S03464445
D2-T	5 pcs.	EN1S03494445
		Highly translucent
0M1-HT	5 pcs.	EN1S04024445
A1-HT	5 pcs.	EN1S04364445
A2-HT	5 pcs.	EN1S04374445
A3-HT	5 pcs.	EN1S04384445
A3.5-HT	5 pcs.	EN1S04394445
B2-HT	5 pcs.	EN1S04424445
C2-HT	5 pcs.	EN1S04464445
D2-HT	5 pcs.	EN1S04494445

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX
WAX BLANKS

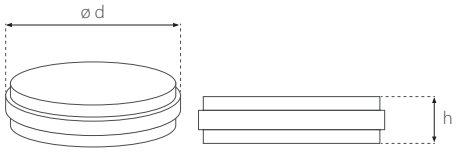
The synthetic Zfx Wax Blanks are used to produce residue-free combustible wax frameworks. They provide outstanding milling characteristics and form a fine shaving which does not clog up the milling cutter (not a medical product).

Indications

+ Wax frameworks

TECHNICAL SPECIFICATIONS

Physical properties		
Dripping point	°C	100 – 130
Density at 20 °C	g / cm³	0.97
Color		Grey



ZFX WAX BLANKS

Diameter d (mm)	**Height h** (mm)	**Item No.**
98	**20**	ZFX08003030

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ZFX
PU ACCURATE

Indications

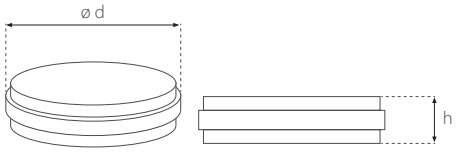
Crown +

Bridge +

The Zfx™ PU Accurate is characterized by form stability, fracture resistance and excellent cutting properties. The material can be steamed off, is easily and quickly milled and is also suitable for model fabrication using CAD / CAM technology and digital impressions.

TECHNICAL SPECIFICATIONS

Physical properties		ivory / gray
Density	g / cm³	1.0 / 1.0
Shore hardness		D 75 / D 76
E module	MPa	1,800 / 1,850
Flexural strength	MPa	48 / 50
Tensile strength	MPa	47 / 48
Thermal dimensional stability	°C	85 / 90



ZFX PU ACCURATE

Diameter d (mm)	Height h (mm)	Color	Item No.
98	**12**	**ivory**	ZFX08002270
98	**12**	**gray**	ZFX08002271
98	**16**	**ivory**	ZFX08002272
98	**16**	**gray**	ZFX08002273
98	**20**	**ivory**	ZFX08002268
98	**20**	**gray**	ZFX08002269
98	**26**	**ivory**	ZFX08002274
98	**26**	**gray**	ZFX08002275

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

ACCESSORIES

In addition to the high-quality blanks and milling tools, Zfx also provides perfectly coordinated accessories: From different color liquids to complete systems for computer-assisted model production.

A1
A2
A3
A3.5
A4
B1
B2
B3
B4
C1
C2
C3
C4
D2
D3
D4

THE ART
OF SHAPE

COLOR LIQUID
BASIC SHADE

With the Zfx basic shade color liquids, we provide you with the ideal basis for customizing your monolithic and veneering work. If you want to offer a true, fully ceramic alternative to NEM, efficient manufacturing in the laboratory is decisive. With the Zfx basic shade colors, we provide you with a color solution which you can use for all zirconium variants. The „one for all" color system which adapts to your everyday laboratory situation and vice-versa.

Recommended for

+ Zfx Color 0.00
+ Zfx Color effect
+ Zfx Cubic
+ Zfx BionX²

Usage recommendation

+ Minimal coating (cut back)
+ Full veneering
+ Combination of both techniques

Properties	
Shade guide	VITA classic (Dentine)
Chroma	Intensive Chroma – higher gray value
Luminance	Less brightness

BASIC SHADE

Liters (ml)	**Color / Item No.**				
	0M1	**0M2**	**0M3**		
100	LBS1000M1	LBS1000M2	LBS1000M3		
	A1	**A2**	**A3**	**A3.5**	**A4**
100	LBS100A1	LBS100A2	LBS100A3	LBS100A35	LBS100A4
	B1	**B2**	**B3**		**B4**
100	LBS100B1	LBS100B2	LBS100B3		LBS100B4
	C1	**C2**	**C3**		**C4**
100	LBS100C1	LBS100C2	LBS100C3		LBS100C4
		D2	**D3**		**D4**
100		LBS100D2	LBS100D3		LBS100D4

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

COLOR LIQUID
BASIC SHADE SET

Color sets	Item No.	Contents
Zfx Basic Shade-Set (Ideal for Zfx Color 0.00, Zfx Color effect, Zfx Cubic and Zfx BionX²)	LBS001	16 Dentine colors A1 – D4 á 30 ml 5 cutting edges SA1 – SO á 15 ml + 40 applicators
Zfx Pro Shade C-Set (Ideal for Zfx BionX²)	LPSC001	16 Dentine colors A1 – D4 á 30 ml 5 cutting edges SA1 – SO á 15 ml + 40 applicators
Zfx Pro Shade Z-Set (Ideal for Zfx Color 0.00, Zfx Color effect and Zfx Cubic)	LPSZ001	16 Dentine colors A1 – D4 á 30 ml 5 cutting edges SA1 – SO á 15 ml + 40 applicators
Zfx Art Elements-Set	LAE001	5 cutting edges á 15 ml 10 effect colors á 30 ml 1 Vario Liquid á 30 ml + 40 applicators

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

COLOR LIQUID
ART ELEMENTS SHADE

Universally usable with all Dentin liquids and all Zfx zirconium oxide types.

Recommended for

+ Zfx Color 0.00
+ Zfx Color effect
+ Zfx Cubic
+ Zfx Bionx²

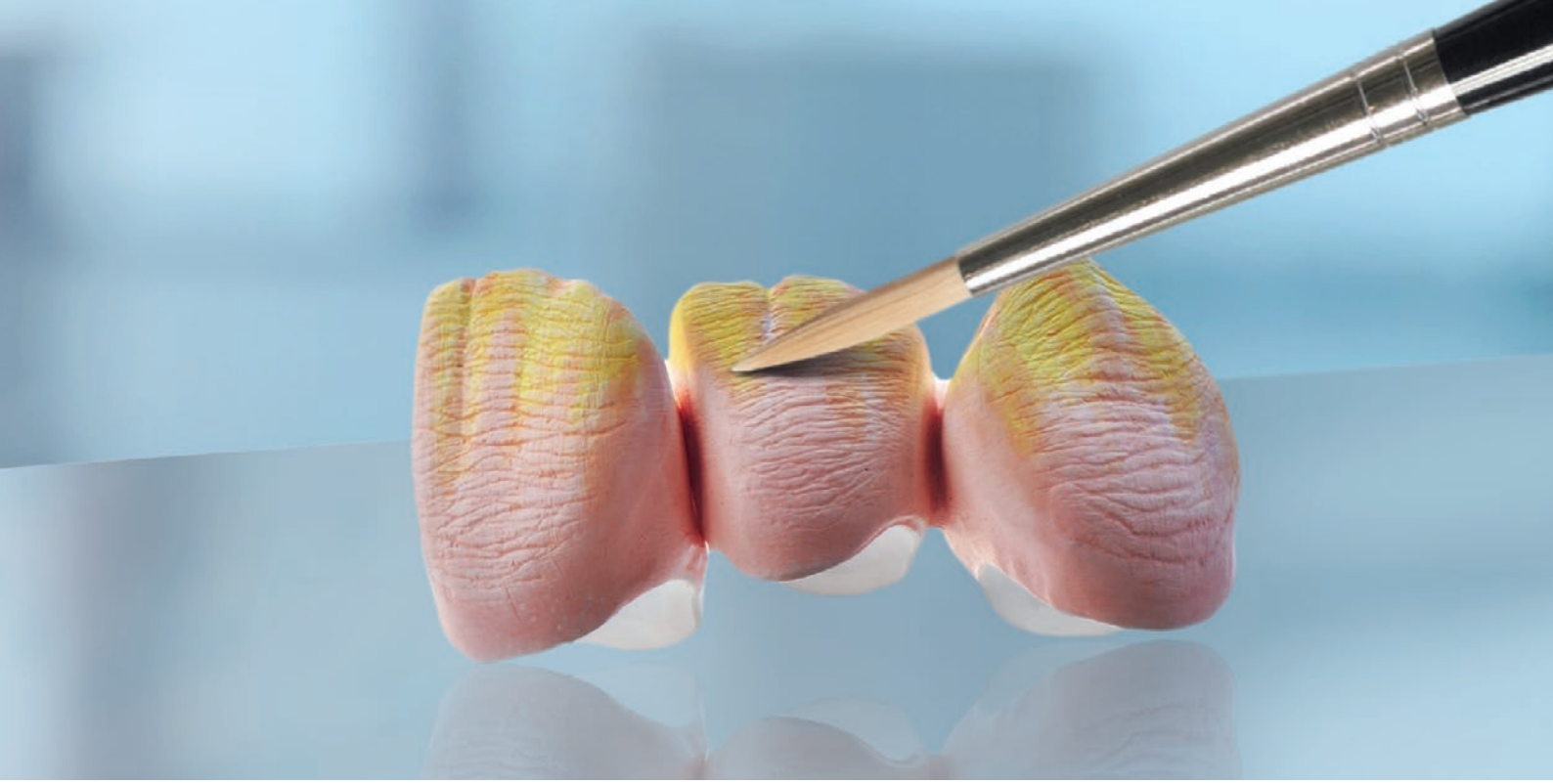
Usage recommendation

+ Universally usable
+ With all Dentine liquids
+ With all Zfx zirconium oxide types

ART ELEMENTS SHADE

Liters (ml)	Color	Item No.
	Incisal Shades	
15	SA1	LAE15SA1
15	SA2	LAE15SA2
15	SC1	LAE15SC1
15	SC2	LAE15SC2
15	SO	LAE15SO
15	SO Bright	LAE15SOB
	Effect Shades	
30	Blue	LAE30B
30	Dark Brown	LAE30DB
30	Light Gray	LAE30DG
30	Graphit	LAE30G
30	Light Brown	LAE30LB
30	Light Gray	LAE30LG
30	Light Pink	LAE30LP
30	Orange	LAE30O
30	Purple	LAE30P
30	Yellow	LAE30Y

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com



COLOR LIQUID
INCISAL X

Recommended for

Zfx BionX² ML +
Zfx Color effect +

The liquid has been specially developed to „pimp“ the cutting edge area of heavy-duty zirconium oxide restorations and therefore provide more aesthetic results. Zfx Incisal X is available in two variants, and provides you with maximum flexibility in the customization of your crown and bridge restorations. Use with the provided applicators simplifies handling, and guarantees that you get reproducible results.

INCISAL X

Liters (ml)	**Color**	**Item No.**
5	X0	LIX05X0
5	X2	LIX05X2

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

BRUSH
ART LINERS

The Zfx art.liners, a set of 5 different brushes, are ideal for manufacturing fully anatomical zirconium work. Every brush has a certain job to do – from painting the unsintered zirconium to applying the glaze to the finished work. The brush handle is ergonomically shaped and adapts to the hand in an optimum way. The triangular shape is the basis for the no.roll system, i.e. rolling off the table is prevented.

Scope of delivery of set

- color.liner: Paint brush for a small and fine color application (brush thickness: -10)
- glasur.liner: Glazing brush for a small and fine glaze application (brush thickness: 1)
- +color.liner: Paint brush for coloring large zirconium bridges (brush thickness: 6)
- individual.liner: Brush for customizing before and after sintering (brush thickness: 4)
- gingiva.liner: Gingiva brush for coloring the Gingiva before sintering (brush thickness: 8)

ART LINERS

	Item No.
art.liners	ZFX02003013

DRYING SPRAY
SCAN DRY LAB

The Zfx Scan Spray prevents reflection when scanning, and is used to mark the contact points of prosthetic work. The raw materials which are used are food-compatible and can be removed with water without leaving residue.

SCAN DRY LAB

Item	Size	Item No.
Zfx scan spray	**75 ml**	ZFX02000278
Zfx scan spray	**200 ml**	ZFX02001248
Zfx scan spray Superfine	**200 ml**	ZFX02001250

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

DIGITAL INTRA SYSTEM
MODEL PRODUCTION

Scope of delivery of set

1 pc. intercuspidator +
2 pcs. Zfx plates +
1 pc. check block +
30 pcs. metal pins +
1 pc. Allen key (HXLGR1.25), long with +
GemLock for Zfx IntraScan Matchholder

The Zfx Digital intraModel System makes computer-assisted manufacturing of physical models on the basis of intra-oral scanning data possible. The system consists of a software module with which the emergence profile can be determined, the model can be segmented and the friction on the base plates can be adjusted, and the associated reusable base plates, pins and an intercuspidator. The models are manufactured in a Zfx milling center, using optional 3D printing or the milling method. The models are supplied with suitable model analogs which are positioned to the exact height and tilt using a patented mechanism.

DIGITAL-INTRA SYSTEM

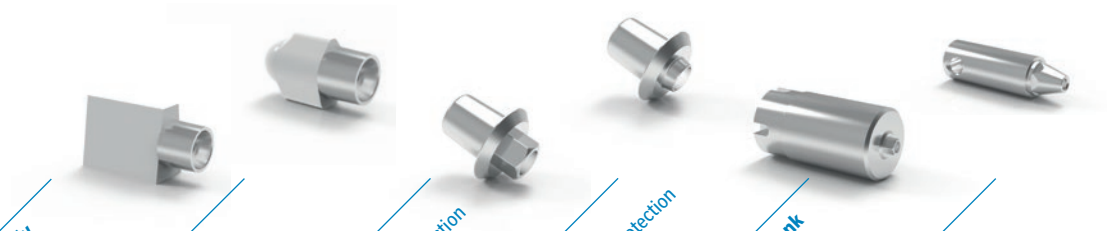
	Item No.
Zfx Digital-intra-Model System Set	ZFX02002065

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

PROSTHETIC COMPONENTS

In addition to the GenTek™ Restorative Original components, Zfx provides a multitude of implant prosthetic components for manufacturing implant abutments, bars and screwed bridges which are 100% compatible with the most frequently used implant systems.

The latest catalog with all of the components can be found at zfx-dental.com



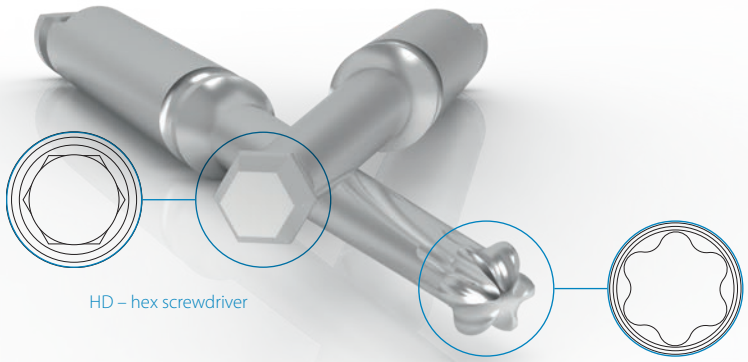
Manufacturer / implant systems	Desktop Scanbody	IOS Scanbody	Titanium based with rotation protection	Titanium based without rotation protection	Pre-Abutment blank	Model analog
Zimmer Biomet						
Conical®	✓	✓		✓		✓
Certain®	✓	✓	✓	✓	✓	✓
External Hex®	✓	✓	✓	✓	✓	✓
Eztetic Implant®	✓				✓	✓
IOL®	✓	✓		✓		✓
Low Profile®	✓	✓		✓		✓
Shoulder Abutment®	✓	✓		✓		✓
SwissPlus®	✓	✓	✓	✓		✓
Tapered Screw-Vent®	✓	✓	✓	✓	✓	✓
Tapered Abutment®	✓	✓		✓		✓
Anthogyr						
Axiom®	✓					
Multi Unit®	✓					
Biotech Dental						
Conical abutment®	✓					
Kontact®	✓					
BioHorizons						
Internal®	✓	✓				✓
Multi-Unit®	✓	✓				
Bredent						
SKY uni.cone® / SKY fast and fixed®	✓	✓		✓		✓
SKY®	✓	✓	✓	✓		✓
Camlog						
Screw-Line®	✓	✓		✓		✓
VARIO SR®	✓	✓	✓			✓
Dentium						
Superline & Implantium®	✓					
Screw Abutment®	✓	✓				
Dentsply Implants						
EV®	✓				✓	
Frialit-Xive®	✓	✓	✓	✓	✓	✓
Multi-Purpose®	✓	✓		✓		✓
Ossesospeed®	✓	✓	✓	✓		✓
UniAbutment®	✓	✓		✓		✓
Global D.						
Angled conical®	✓					
In-Kone	✓					
Straight conical®	✓					
Twinkon®	✓					

Libraries for RealCAD, Exocad, 3Shape and DentalWings are available for all of the listed systems.

The latest catalog with all of the components can be found at zfx-dental.com

Manufacturer / implant systems	Desktop Scanbody	IOS Scanbody	Titanium based with rotation protection	Titanium based without rotation protection	Pre-Abutment blank	Model analog
Megagen						
AnyOne®	✓	✓				
AnyRidge®	✓	✓	✓			✓
EZ Plus®	✓	✓	✓	✓		✓
Multi-Unit Abutment®	✓	✓				
Rescue Internal®	✓	✓	✓	✓		✓
Microdent						
Trylogic®	✓	✓				
MIS						
Internal Hex®	✓	✓				✓
Multi-Unit®	✓					
Nobel Biocare						
Active®	✓	✓	✓	✓	✓	✓
Brånemark®	✓	✓	✓	✓	✓	✓
Multi-unit®	✓	✓		✓		✓
Replace®	✓	✓	✓	✓	✓	✓
Osstem						
GS & TS System®	✓	✓	✓	✓		✓
P-I						
Amplified®	✓	✓				✓
Conical Abutment®	✓	✓				
External Hexagon®	✓	✓				✓
Morse Taper®	✓	✓				✓
Serf						
Multi DIE®	✓					
MUA TR WD®	✓					
Straumann Institut						
Bone Level®	✓	✓	✓	✓	✓	✓
Multi-Base®	✓	✓		✓		✓
Narrow Neck®	✓					
Octa® (External Octagon)	✓					
Screw-retained®	✓	✓				
SynOcta®	✓	✓	✓	✓	✓	✓
SynOcta® Cementable	✓	✓				✓
Sweden & Martina						
Global®	✓	✓				✓
Outlink 2®	✓	✓				✓
Premium Kohno®	✓	✓				✓
Thommen Medical						
SPI®	✓	✓				✓

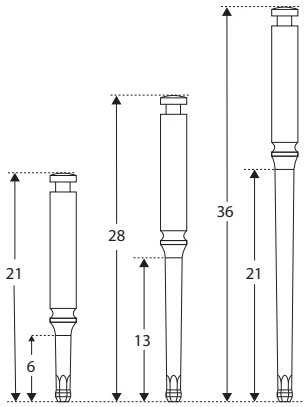
The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

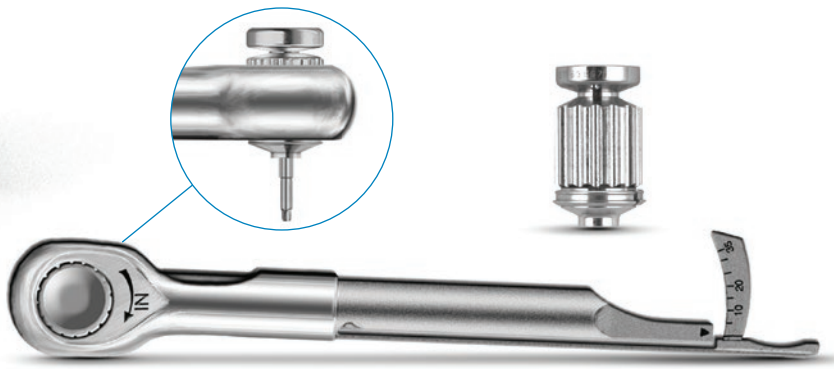


Zfx screwdriver inserts

The Zfx hex / hexalobular screwdriver inserts have an ISO-Latch shank in accordance with the ISO-1797 standard. The use of the screwdriver is validated for use in laboratories and in dental practices. The inserts can be clamped directly into handpieces / angled handpieces or using adapters which make clamping of shafts in accordance with ISO-1797 possible.

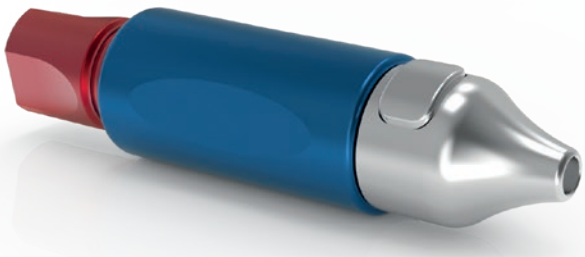
The screwdrivers are available in three different lengths (21, 28 and 36 mm). Suitable screwdrivers for the respective system are listed in the catalog with the components.





The Zfx hex / hexalobular screwdriver inserts have an ISO-Latch shank in accordance with the ISO-1797 standard and are compatible with appropriate angled handpieces.

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com



Zfx torque handpiece for ISO-Latch shanks
Item No. ZFX02-TH

Zfx torque handpiece for ISO-Latch shanks

The Zfx Torque handpiece is designed for shanks in accordance with ISO 1797. All Zfx hex / hexalobular screwdriver inserts can therefore be placed. The handpiece is equipped with a three-setting torque from approx. 2.7 – 10 Ncm and is therefore ideal for the different requirements in the laboratory. A pushbutton makes changing the screwdriver inserts quick and easy.

Item No. ZFX02-TH

Overview of all Zfx hex / hexalobular screwdriver inserts

Product	Size	max. Angulation	Max. Torque (Ncm)	Length (mm)		
				21	28	36
Zfx Hex Screwdriver **EVEREST**	HD 1.00	20°	15		ZFX02HD10028	
Zfx Hex Screwdriver **AORAKI**	HD 1.20	20°	35	ZFX02HD12021	ZFX02HD12028	ZFX02HD12036
Zfx Hex Screwdriver **FUJI**	HD 1.27	20°	40	ZFX02HD12721	ZFX02HD12728	ZFX02HD12736
Zfx Hex Screwdriver **BADILE**	HD 1.30	20°	40	ZFX02HD13321	ZFX02HD13328	ZFX02HD13336
Zfx Hex Screwdriver **DENALI**	HD 1.40	20°	40	ZFX02HD14021	ZFX02HD14028	ZFX02HD14036
Zfx Hex Screwdriver **PISCO**	HD 1.50	20°	40	ZFX02HD15021	ZFX02HD15028	ZFX02HD15036
Zfx Hex Screwdriver **VINSON**	HD 1.60	20°	40	ZFX02HD16021	ZFX02HD16028	ZFX02HD16036
Zfx Hexalobular Screwdriver **EIGER**	HLD 1.54	25°	40	ZFX02HLD15421	ZFX02HLD15428	ZFX02HLD15436
Zfx Hexalobular Screwdriver **JORASSES**	HLD 1.68	25°	40	ZFX02HLD16821	ZFX02HLD16828	ZFX02HLD16836
Zfx Hexalobular Screwdriver **MERU**	HLD 1.80	25°	40	ZFX02HLD18021	ZFX02HLD18028	ZFX02HLD18036

The values can differ. Up-to-date information can be found in the safety data sheets at www.zfx-dental.com

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