

ZIR-LINE ML HS disc

ZIR-Line ML HS disc is suitable for aesthetic restorations every span. The material offers the perfect compromise between aesthetics and strength. The integrated color gradient enables the efficient production of restorations with natural appearance.

INTENDED USE

ZIR-LINE ML HS disc is used for:

Veneers, Inlays, Onlays, anatomically reduced crown, Fully anatomical (monolithic) crown front tooth, Fully anatomical (monolithic) crown posterior tooth, Primary telescope, Anatomically reduced bridge (up to 3 units), Anatomically reduced bridge (up to 14 units), Fully anatomical (monolithic) bridge (up to 3 units), Fully anatomical (monolithic) bridge (up to 14 units), and Hybrid abutment crown.



SPECIFICATIONS

Type: Multilayer

Material: 4Y-TZP

Strength: 1200 (±150) MPa

Very high fracture toughness

Incisal and dentin layer + 2 transition layers = natural color gradient

Perfectly suited for fully anatomical (monolithic) crowns and bridges and cut back (one layer)

COLOUR

BL

A1 – A2 – A3 – A3,5 – A4

B1 – B2 – B3 – B4

C1 – C2 – C3 – C4

D2 – D3 – D4

SHAPES

SHOULDER – diameter 98,5 mm

THICKNESS

14, 18, 22 mm

ZIR-LINE ML Hybrid disc

ZIR-LINE ML HYBRID DISC is suitable for the production of highly aesthetic restorations with large spans. The different translucencies and flexural strengths from cervical to incisal ensure stability and aesthetics.

The hybrid layer from the “yellow -warm” aesthetic line has precise layering and fits seamlessly into the row of teeth. 16 colors and three bleach colors according to the Vita shade guide, are covering all common tooth colors and meeting the highest aesthetic demands.

INTENDED USE

ZIR-LINE ML HYBRID DISC is perfect for:

All indications: from monolithic single crowns to complex superstructures for the anterior and posterior teeth.



SPECIFICATIONS

Type: hybrid layer

Material: 5Y-TZP + 3Y-TZP

Strength: > 800 MPa incisal area, 1050 (±150) MPa body area / High process reliability

Highest Precision through distortion-free material

Fast and economical for natural - looking fully anatomical (monolithic) restorations

COLOUR

BL1 – BL2 – BL3

A1 – A2 – A3 – A3,5 – A4

B1 – B2 – B3 – B4

C1 – C2 – C3 – C4

D2 – D3 – D4

SHAPES

SHOULDER – diameter 98,5 mm

THICKNESS

16, 20, 25 mm

ZIR-LINE ML disc

ZIR-LINE MULTILAYER DISC is suitable for highly aesthetic restorations up to three sections. The high light transmission through the increased Proportion of the cubic phase in the cubic-tetragonal mixed structure and the stable mechanical properties are perfectly balanced. The integrated color gradient enables the efficient production of Restorations with a natural appearance.

INTENDED USE

ZIR-LINE ML disc is used for:

Veneers, Inlays, Onlays, Anatomically reduced crown, Fully anatomical (monolithic) crown front tooth, Fully anatomical (monolithic) crown posterior tooth, Anatomically reduced bridge (up to 3 units), Fully anatomical (monolithic) bridge (up to 3 units), and Hybrid abutment crown.



SPECIFICATIONS

Type: Multilayer

Material: 5Y-TZP

Strength: 700 (±100) MPa

More stable than lithium disilicate with comparable aesthetics

Our favorite for the front teeth area

Incisal and dentin layer + 2 transition layers = natural color gradient

Aesthetic finish with minimal effort

COLOUR

BL

A1 – A2 – A3 – A3,5 – A4

B1 – B2 – B3 – B4

C1 – C2 – C3 – C4

D2 – D3 – D4

SHAPES

SHOULDER – diameter 98,5 mm

THICKNESS

14, 18, 22 mm

ZIR-LINE W disc

ZIR-LINE W DISC is suitable for aesthetic restorations of any span. The “classic” 2nd generation material offers positive mechanical properties and high light transmission.

INTENDED USE

ZIR-LINE W DISC is perfect for:

all dental constructions, bridges with max. 2 connected pontics



SPECIFICATIONS

Type: II

Material: 3Y-TZP-LA

Strength: 1150 (±150) MPa

High strength

High fracture toughness

Perfectly suitable for high aesthetic veneering and cut back (one layer) Physical Properties

COLOUR

WHITE

SHAPES

SHOULDER – diameter 98,5 mm

THICKNESS

10, 12, 14, 16, 18, 20, 25 mm

USE FOR: PMMA DISCS	art.nr.	head dia. mm	shank dia. mm	overall length mm	use for
AMANN GIRRBACH	15724	1.0	3.0	47	PMMA
	15725	2.5	3.0	47	PMMA
	15726	0.6	3.0	47	PMMA
IMES ICORE	15727	1.0	3.0	48	PMMA
	15728	2.5	3.0	48	PMMA
	15729	0.6	3.0	48	PMMA
VHF	15730	1.0	3.0	35	PMMA
	15731	2.0	3.0	35	PMMA
	15732	0.6	3.0	35	PMMA
ZIRKONZAHN	15733	1.0	3.0	50	PMMA
	15734	2.0	3.0	50	PMMA
	15735	0.5	3.0	50	PMMA
ROLAND	15744	2.0	4.0	50	PMMA
	15745	1.0	4.0	50	PMMA
	15746	0.6	4.0	50	PMMA

USE FOR: ZIRCONIA DISCS	art.nr.	head dia. mm	shank dia. mm	overall length mm	use for
AMANN GIRRBACH	15700	1.0	3.0	48	Zr
	15701	2.5	3.0	48	Zr
	15702	0.6	3.0	48	Zr
IMES ICORE	15703	1.0	3.0	48	Zr
	15704	2.5	3.0	48	Zr
	15705	0.6	3.0	48	Zr
VHF	15706	1.0	3.0	35	Zr
	15707	2.0	3.0	35	Zr
	15708	0.6	3.0	35	Zr
ZIRKONZAHN	15709	1.0	3.0	57	Zr
	15710	2.0	3.0	57	Zr
	15711	0.5	3.0	57	Zr
ROLAND	15736	2.0	4.0	50	Zr
	15737	1.0	4.0	50	Zr
	15738	0.6	4.0	50	Zr
	15739	0.3	4.0	50	Zr

USE FOR: ZIRCONIA DISCS diamond coated	art.nr.	head dia. mm	shank dia. mm	overall length mm	use for
AMANN GIRRBACH	15712	1.0	3.0	48	Zr - with diamond
	15713	2.5	3.0	48	Zr - with diamond
	15714	0.6	3.0	48	Zr - with diamond
	15715	1.0	3.0	48	Zr - with diamond
IMES ICORE	15716	2.5	3.0	48	Zr - with diamond
	15717	0.6	3.0	48	Zr - with diamond
	15718	1.0	3.0	40	Zr - with diamond
VHF	15719	2.0	3.0	40	Zr - with diamond
	15720	0.6	3.0	40	Zr - with diamond
ZIRKONZAHN	15721	1.0	3.0	57	Zr - with diamond
	15722	2.0	3.0	57	Zr - with diamond
	15723	0.5	3.0	57	Zr - with diamond
ROLAND	15740	2.0	4.0	50	Zr - with diamond
	15741	1.0	4.0	50	Zr - with diamond
	15742	0.6	4.0	50	Zr - with diamond
	15743	0.3	4.0	50	Zr - with diamond

PoliDent

poliCUTTER milling tools



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PoliDent



Creating smiles since 1958



PMMA CAD/CAM disc

- monocolor
- multilayer

Pink CAD/CAM disc

- monocolor
- multilayer

Casting CAD/CAM disc

Model CAD/CAM disc

X-ray CAD/CAM disc

Zir-Line discs

- Zir-Line ML HS disc
- Zir-Line ML disc
- Zir-Line ML HYBRID disc
- Zir-Line W disc

PoliCUTTER milling tools

- for PMMA discs
- for zirconia discs
- for zirconia discs - diamond coated

PoliDent
PMMA CAD/CAM disc

INTENDED USE

- PMMA CAD/CAM DISC is suitable for:
- milling of long-term temporary crowns and bridges, and - for milling and verifying the appliance on the plaster model/mouth before the final ZrO₂ milling process;
 - milling the removable occlusal splint, and
 - milling of individual denture teeth, full arch and tooth segments for denture manufacturing.
- Clear discs are also suitable for fabrication of molds in precision casting with metal or press ceramics (non-medical use).

• monocolor



COLOUR

BL1 - BL2 - BL3 - A1 - A2 - A3 - A3,5 - B1 - B2 - B3 - C2 - D2
Enamel colors: E1 - E2
CLEAR - BERRY - BLUE - GREEN - ORANGE

SHAPES

SHOULDER - diameter 98,5 mm
ZZ - diameter 95 mm
AG - diameter 100 mm

THICKNESS

12, 14, 15, 16, 18, 20, 25, 30, 35 mm

• multilayer

Multilayer variant of PoliDent PMMA CAD/CAM disc is composed by several layers of transient colors. The layering concept is optimized to match the natural color gradient of natural teeth. The final result is a highly aesthetic and economical restoration.



NATURAL TOOTH SHADE TRANSITIONS FOR
AESTHETIC TEMPORARY CROWNS, BRIDGES, AND
MILLED DENTURE TEETH.

- The advantage of multilayer disc is:
- the unnoticeable transition from the dark neck colour to the bright enamel colour.
 - This is performed with our five layers coloring technique.
 - Natural looking aesthetic is achieved.
 - More natural looking translucency compared to other dental materials.
 - Good bonding to denture bases and other PMMA materials.

COLOUR

BL2 - BL3 - A1 - A2 - A3 - A3,5 - A4 - B1 - B2 - B3 - B4
C1 - C2 - C3 - C4 - D2 - D3 - D4

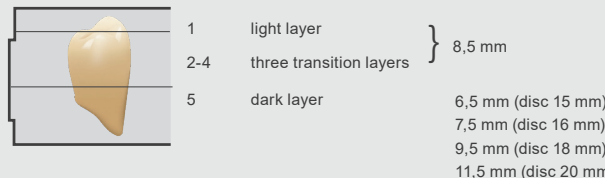
SHAPES

SHOULDER - diameter 98,5 mm
ZZ - diameter 95 mm
AG - diameter 100 mm

THICKNESS

15, 16, 18, 20 mm

LAYERING



*Registered in the USA with the intended purpose:
- for milling of long-term temporary crowns and bridges, and for milling and verifying the appliance on the plaster model/mouth before the final ZrO₂ milling process, and
- for milling of individual denture teeth, full arch and tooth segments to manufacture denture.

*Licensed by Health Canada with the intended purpose:
- for milling of short-term temporary crowns and bridges, and for milling and verifying the appliance on the plaster model/mouth before the final ZrO₂ milling process.

PoliDent
PINK CAD/CAM disc

INTENDED USE

- PINK CAD/CAM DISC is suitable for:
- milling full and partial dentures and temporary immediate load implant supported dentures.

• monocolor

COLOUR

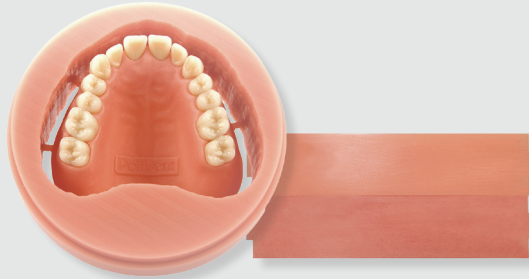
pink, pink veined

SHAPES

SHOULDER - diameter 98,5 mm
ZZ - diameter 95 mm
AG - diameter 100 mm

THICKNESS

20, 25, 27, 30, 35, 40 mm



• multilayer

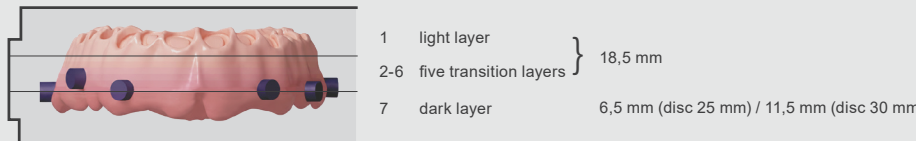
COLOUR / THICKNESS

G71 20 mm
pink ML 25, 30 mm
G74 20, 25, 30 mm

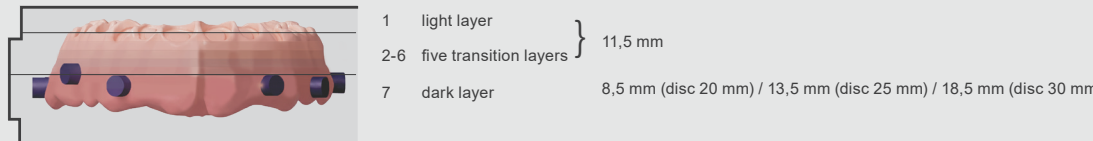
SHAPES

SHOULDER - diameter 98,5 mm
ZZ - diameter 95 mm
AG - diameter 100 mm

LAYERING ML PINK 25, 30 mm

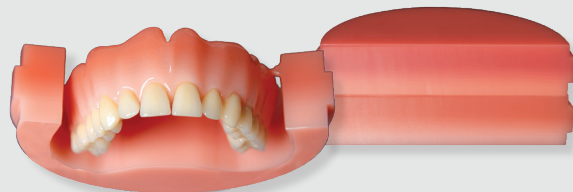


LAYERING G71 20 mm / G74 20, 25, 30 mm



PERFECT SOLUTION FOR MILLED DENTURES
WITH MORE NATURAL APPEARANCE.

PoliDent multilayer PINK CAD/CAM DISC features multiple pigmented layers with smooth colour transitions, designed to reproduce the natural gingival colour gradient. It enables natural-looking denture bases while offering an efficient, economical and highly aesthetic solution for digital prosthetics.



PoliDent
CASTING CAD/CAM disc

INTENDED USE

- CASTING CAD/CAM DISC is used for:
- milling frameworks for casting,
 - milling of crowns, bridges and castable layers for press ceramic
 - verifying frameworks on plaster model before final ZrO₂ milling (especially recommended for larger ZrO₂ frameworks)



SPECIFICATIONS

- 100% organic material that burns-out without any residual ash

COLOUR

clear

SHAPES

SHOULDER – diameter 98,5 mm
ZZ – diameter 95 mm
AG – diameter 100 mm

THICKNESS

12, 15, 18, 20, 25, 30 mm

PoliDent
MODEL CAD/CAM disc

INTENDED USE

- MODEL CAD/CAM DISC is used for:
- Milling of stumps/ dies, working models and antagonists
 - Digital models are CAD designed from 3D data acquired with a wide range of digital impression-taking solutions.



SPECIFICATIONS

- a special, highly-compressed material with exceptional abrasion resistance
- It doesn't absorb liquids so it is recommended for ceramic layering
- excellent milling ability
- available in two densities

COLOUR

brown, beige

SHAPES

SHOULDER – diameter 98,5 mm
ZZ – diameter 95 mm
AG – diameter 100 mm

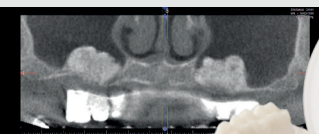
THICKNESS

25 mm

PoliDent
X-RAY CAD/CAM disc

INTENDED USE

- X-RAY CAD/CAM DISC is X-ray visible disc used for:
- for milling diagnostic stents for implant planning
- Allows visibility of teeth setup in the X-ray CAT scan for implant planning and determination.



SPECIFICATIONS

- contains X-ray visible powder
- homogeneous mix ensures best visibility
- prevents light scattering

SHAPES

SHOULDER – diameter 98,5 mm
ZZ – diameter 95 mm
AG – diameter 100 mm

THICKNESS

12, 14, 15, 16, 18, 20, 25 mm