

Deflex®



Porcelain-coated bridge



CAD/CAM LINE

*Blocks and discs for
milling systems*



ZIRCONIA



PMMA



PEEK



WAX

CAD/CAM LINE

Blocks and discs for milling system

CAD/CAM materials line manufactured in Argentina by Deflex®, which include 5 types of **ZIRCONIA**, as well as **PMMA** discs, **PEEK**, machinable **WAX**.



ZIRCONIA - Blocks of zirconium oxide (for milling of bridges and crowns)



5 DEFLEX ZIRCONIA OPTIONS

Edge

Medium translucency zirconia

Suitable to be coated with ceramic for zirconia.

Vitrum

High translucency zirconia

Suitable for monolithic structures without the need for applying ceramic veneers.

Shade

Tooth colored zirconia

Pre-colored in colors A1, A2, A3, A3.5, B1, B2 and B4

Stratos

Multilayer Zirconia of high translucency

Available in colors A1, A2, A3, A3.5 and B2.

It has 7 layers of variable coloring, from gingival to incisal. Perfect for milling anatomical structures.

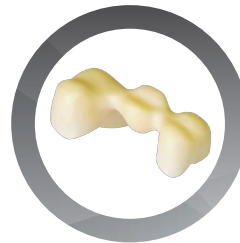
Vitrum XT

Extra-high translucency zirconia

Produces monolithic restorations, including in the anterior region (For structures of up to 3 pieces).

BENEFITS OF DEFLEX ZIRCONIA

- High precision in pantographs and CAD/CAM systems.
- Maximum compatibility with porcelain for zirconia and pigments.
- Uniform density that allows for predictable contraction coefficients.
- Variety of forms and thicknesses for a wide range of milling systems.



Zirconia bridges



Porcelain-coated bridge

Mechanical properties

Property	Deflex blocks	Minimum requirement ISO 6872
Flexural strength	1618	800
Stiffness [HV10]	1320	Not specified

Fórmula (ZrO₂) 0.97 (Y₂O₃) 0.03

Sintered material density 6.02 to 6.05 g/cm³

Compatibility with porcelains and pigments

Thermal dilation coefficient = $10,1 \times 10^{-6}$ 1/K (Compatible with all porcelains for zirconia).

Sintering program

Initial temp.	Final temp.	Heating speed	Time spent	Cooling speed	Opening oven temperature
Ambient temp.	1450 °C	8 °C/min	120 min	8 °C/min	300 °C

Types and measures



- 76 mm x 40 mm x 16 mm
- 76 mm x 40 mm x 22 mm



- Diameter 98mm
- 10mm • 12mm • 14mm • 16mm • 18mm • 20mm • 22mm • 25mm



- 12mm • 14mm • 16mm
- 18mm • 20mm • 22mm • 25mm



- YZ-20/15 • YZ-40/15 • YZ-20/19
- YZ-40/19 • YZ-55

PMMA - Machinable blocks of PMMA for the making of temporary restorations



The blocks offer excellent workability and allow for restorations with high shine and translucency. It is possible to machining from individual crowns to large bridges.

Also available opaque PMMA for milling of structures for diagnosis test and verification in mouth. The models can be scanned and import to the CAD/CAM software system.

Types and measures

Colors A1, A2, A3, A3.5, opaque and transparent



- 76 mm x 40 mm x 16 mm



- Diameter 98mm
- 16mm • 20mm



- 13mm
- 20mm



- YZ-40/19 • YZ-55

PEEK OSSIS cc - High performance polymer with base of PEEK (Polyether ether ketone)



Qualities

- Biocompatible
- Free of metals
- Hardness similar to bone
- Lightweight
- High chemical stability

Applications

- Frameworks for bridges and crowns to coat with composite (maximum up to two missing intermediate teeth)
- Frameworks for bridges and anatomic crowns (maximum up to two missing intermediate teeth)
- Telescopic crowns
- Frameworks for partial dentures

Types and measures

Color Beige - Natural



- Diameter 98mm
- 16mm • 20mm

WAX - Blocks of machinable wax for milling of bridges and crowns



These can be used to make molds through the lost wax process for casting metals or injecting ceramic. The blocks offer excellent workability and allow obtaining structures with high dimensional stability that calcine without leaving any residue.

Types and measures



- Diameter 98mm
- 16mm • 20mm



- 13mm
- 20mm

Deflex[®]

Learn more about our unique product lines



INJECTABLE MATERIALS

Flexible partials.
















CAD/CAM MATERIALS

For milling of bridges and crowns







INJECTABLE MATERIALS IN BULK










MANUFACTURER
NUXEN
SRL

 Ayacucho 1053, 3A - City of Buenos Aires - Argentina

 info@deflex.com.ar

 (+5411) 4812-9638

 (+54911) 11-6720-5702

 www.deflex.com.ar