



## Zirconia Dental Blanks/Zirconia Dental Blocks

### Features of offered Zirconia Blanks (Disks and Blocks)

**Zirox Technologies** has made assured arrangement for procurement and distribution of internationally reputed brands of zirconia blanks and blocks for dental use and committed to bring you un-comparable quality @ affordable prices. Offered high quality zirconium oxide blanks and zirconium oxide blocks may be used by milling centres or dental labs using manual or numeric mills alike kavo, Wieland, ceramill, Zirkonzahn, Venture, Sirona etc. Zirconia dental Blanks and zirconia dental Blocks are the latest solution in dental technology and perfect alternatives to metals in dental art. Optimized technological parameters enable us to offer you the guaranteed retraction ratio .user can select classic and translucent zirconia blanks for desired results in final zirconia dental prosthesis

**Arranged dental zirconia blocks** are made out of high purity and specifically engineered yttria stabilized zirconia powders using advance compaction techniques which ensures the original dimension stability after sintering in the prosthesis. Before sintering they can be coloured. Our zirconia dental products are fully bio-compatible and offers the best aesthetic results due to its controlled optical and light transmission properties. Dental experts will surely accept our dental blocks as perfectly integrates with ceramic teeth.zirconia blanks offered by us are CE certified.

### Why zirconia blanks in Dental applications?

- Zirconia has extremely high tensile strength, and is referred to as ceramic steel.
- It virtually eliminates any allergic reactions.
- It is not an electrical conductor, so it doesn't generate an electrical charge. Electrical conductivity contributes to the corrosion of other metals in the mouth.
- Being non-metallic, there is no corrosion. Therefore, gingival reactions like the usual "black line" at the gum line of traditional porcelain-fused-to-metal restorations, will not occur.
- As an insulator, it protects against unpleasant hot/cold sensitivity in the mouth.

### Applications

zirconium oxide ceramic materials have been used for over twenty years in medicine, mainly for hip replacements. These materials have shown over this long history that they are fully biocompatible. And it only stands to reason--they consist mainly of minerals which are also found in natural bone tissue.

Physical & mechanical properties of sintered zirconia		Composition of zirconia	
Crystal grain size	0.5um	ZrO2 (+ HfO2)	94.21
Colour	White` `	Y2O3	5.39
Resistant to fracture	9-10MPa m1/2	Al2O3	0.253
Flexural strength	900-1200 MPa	SiO2	0.016
Co-efficient of thermal expansion	10.6	Fe2O3	0.002
Density	6.08 g/cm3	Na2O3	0.0025
Flexural modulus	200 GPa		
Micro hardness	1000-1300 Vickers		

# Zirconia Blanks

## Zirconia Discs & Blocks

### Classic & Translucent Discs in 100 mm /98.5mm dia

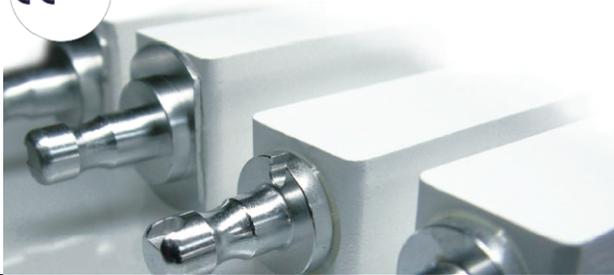
<b>100mm diameter Classic Discs</b> 	<b>100mm diameter translucent Discs</b> 	<b>98.5mm diameter classic discs</b> 	<b>98.5mm translucent discs</b> 	
<b>OR100/10</b>  Classic Disk 100mm x 10mm Sold by unit		<b>R100/10</b>  Translucent Disk 100mm x 10mm Sold by unit	<b>OWR98/10</b>  Classic Disk 98,5mm x 10mm Sold by unit	 <b>WR98/10</b>  Translucent Disk 98,5mm x 10mm Sold by unit
<b>OR100/14</b>  Classic Disk 100mm x 14mm Sold by unit		<b>R100/14</b>  Translucent Disk 100mm x 14mm Sold by unit	<b>OWR98/14</b>  Classic Disk 98,5mm x 14mm Sold by unit	 <b>WR98/14</b>  Translucent Disk 98,5mm x 14mm Sold by unit
<b>OR100/16</b>  Classic Disk 100mm x 16mm Sold by unit		<b>R100/16</b>  Translucent Disk 100mm x 16mm Sold by unit	<b>OWR98/16</b>  Classic Disk 98,5mm x 16mm Sold by unit	 <b>WR98/16</b>  Translucent Disk 98,5mm x 16mm Sold by unit
<b>OR100/18</b>  Classic Disk 100mm x 18mm Sold by unit		<b>R100/18</b>  Translucent Disk 100mm x 18mm Sold by unit	<b>OWR98/18</b>  Classic Disk 98,5mm x 18mm Sold by unit	 <b>WR98/18</b>  Translucent Disk 98,5mm x 18mm Sold by unit
<b>OR100/20</b>  Classic Disk 100mm x 20mm Sold by unit		<b>R100/20</b>  Translucent Disk 100mm x 20mm Sold by unit	<b>OWR98/20</b>  Classic Disk 98,5mm x 20mm Sold by unit	 <b>WR98/20</b>  Translucent Disk 98,5mm x 20mm Sold by unit
<b>OR100/25</b>  Classic Disk 100mm x 25mm Sold by unit		<b>R100/25</b>  Translucent Disk 100mm x 25mm Sold by unit	<b>OWR98/25</b>  Classic Disk 98,5mm x 25mm Sold by unit	 <b>WR98/25</b>  Translucent Disk 98,5mm x 25mm Sold by unit

# Classic & Translucent Zirconia dental square, Disk and Parralelepiped Blanks

<b>Classic squares</b> 	<b>Translucent squares</b> 	<b>Translucent discs &amp; Parralelepiped</b> 		
<b>OC89/10</b>  Classic Square 88,5mm x 88,5mm x 10 mm Sold by unit.		<b>C89/10</b>  Translucent Square 88,5mm x 88,5mm x 10mm Sold by unit		<b>KR16/16</b>  Tranlucent 16mm x 16mm Sold by 12 pieces pack
<b>OC89/14</b>  Classic Square 88,5mm x 88,5mm x 14 mm Sold by unit.		<b>C89/14</b>  Translucent Square 88,5mm x 88,5mm x 14mm Sold by unit		<b>KR20/20</b>  Tranlucent 20mm x 20mm Sold by 6 pieces pack
<b>OC89/16</b>  Classic Square 88,5mm x 88,5mm x 16 mm Sold by unit.		<b>C89/16</b>  Translucent Square 88,5mm x 88,5mm x 16mm Sold by unit		<b>KP40/16</b>  Tranlucent 42mm x 20mm x 16mm Sold by 6 pieces pack
<b>OC89/18</b>  Classic Square 88,5mm x 88,5mm x 18 mm Sold by unit.		<b>C89/18</b>  Translucent Square 88,5mm x 88,5mm x 18mm Sold by unit		<b>KP40/20</b>  Tranlucent 42mm x 20mm x 20mm Sold by 6 pieces pack
<b>OC89/20</b>  Classic Square 88,5mm x 88,5mm x 20mm Sold by unit.		<b>C89/20</b>  Translucent Square 88,5mm x 88,5mm x 20mm Sold by unit		<b>KP60/20</b>  Tranlucent 60mm x 25mm x 20mm Sold by 3 pieces pack
<b>OC89/25</b>  Classic Square 88,5mm x 88,5mm x 25mm Sold by unit.		<b>C89/25</b>  Translucent Square 88,5mm x 88,5mm x 25mm Sold by unit		

## Translucent system with plots

CE 1014



## Manual system-translucent



**SP40/14**

Parallelepiped  
40mm x 15,5mm x 14mm  
Sold by 8 pieces pack



**SP40/19**

Parallelepiped  
40mm x 15,5mm x 19mm  
Sold by 8 pieces pack



**ZP4/16**

Tranlucent  
43mm x 25mm x 16mm  
Sold by 6 pieces pack



**ZP4/22**

Tranlucent  
43mm x 25mm x 22mm  
Sold by 6 pieces pack



**ZP6/16**

Tranlucent  
62mm x 25mm x 16mm  
Sold by 3 pieces pack



**ZP6/22**

Tranlucent  
62mm x 25mm x 22mm  
Sold by 3 pieces pack



**ZR23/16**

Tranlucent  
23mm x 16mm  
Sold by 8 pieces pack



**ZR23/22**

Tranlucent  
23mm x 22mm  
Sold by 8 pieces pack

### Other available sizes of discs:

A- 98mm dia with/without steps for free CAD/CAM or manual systems:

**Thickness;12,14,16,18,20mm**

B- Blanks for Sirona in Lab:

**40/15,40/19,55/19,65/25**

C- Blanks for manula Zirconzahn system:

**Size 12 er,9er**

D- Blanks for CAD?ACM zirconzahn systems:

**95mm dia 14,16,18,20 mm thickness**

**E-Full contour zirconia dies-FC**

**98mm dia x 14,20mm thickness-translucency rank-5.**

**F-YZ-HS Blocks for**

1. 3M® EMPS Lava™ 2. KaVo® Everest® 3. CERCON™
4. Wieland® Zr™ 5. Sirona® inCoris™ ZI 6. VITA® YZ
7. IPS e.max® ZirCAD 8. Glidewell® CZ 9. etkon®

For more details please contact:

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smart materials • industrial minerals

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Notice; zirconia dental products are not manufactured by us.All zirconia dental blanks items are procured from reputed foreign manufactureere.User must ascertain their suitability at their own cost and risk.