

## POLIDENT X-RAY CAD / CAM DISC



POLIDENT X-RAY CAD / CAM disc is an X-ray visible disc used for milling diagnostic stents for implant planning.

### INDICATIONS

POLIDENT X-RAY CAD / CAM discs are used for fabrication of diagnostic stents on dental milling machines. Diagnostic stents are used for correct implant positioning planning on the basis of the analysis of the radiographs or within 3D planning software.

### INSTRUCTIONS FOR USE

Missing teeth are designed with any dental design C&B software. Special attention must be paid to anatomical pontic design in cervical region. The bottom of the anatomical pontics must be in full contact with the gingival area and should maintain a natural looking tooth shape.

There are several possibilities to fix the diagnostic stent in mouth:

- In case of prepared adjacent teeth a provisional like bridge can be designed and fixed in mouth for radiography.  
Tip: Same stl file can be used for diagnostic stent and provisional bridge (special attention to pontic design!)
- In case of non prepared adjacent teeth clasps can be designed for single units and smaller bridges. In case of larger areas a foil should be thermoformed over the diagnostic stent on plaster model and adequately cut.

For complete dentures a palatal transparent base material plate should be produced to fix the pre milled radioopaque teeth in mouth during radiography.

The diagnostic stent can be used as a surgical guide after the correct holes are pre drilled.

### CHARACTERISTICS

Contains X- ray visible powder.

Homogeneous mix ensures best visibility.

Prevents light scattering.

Density: 1,3 kg/l

Flexural strength: 89 MPa

E-Module: 3236 MPa

Diameter: 95-98,5 mm

Thickness: 14-25 mm

Store in dry place at room temperature.

Version: 04.12.2013

**PoliDent**



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