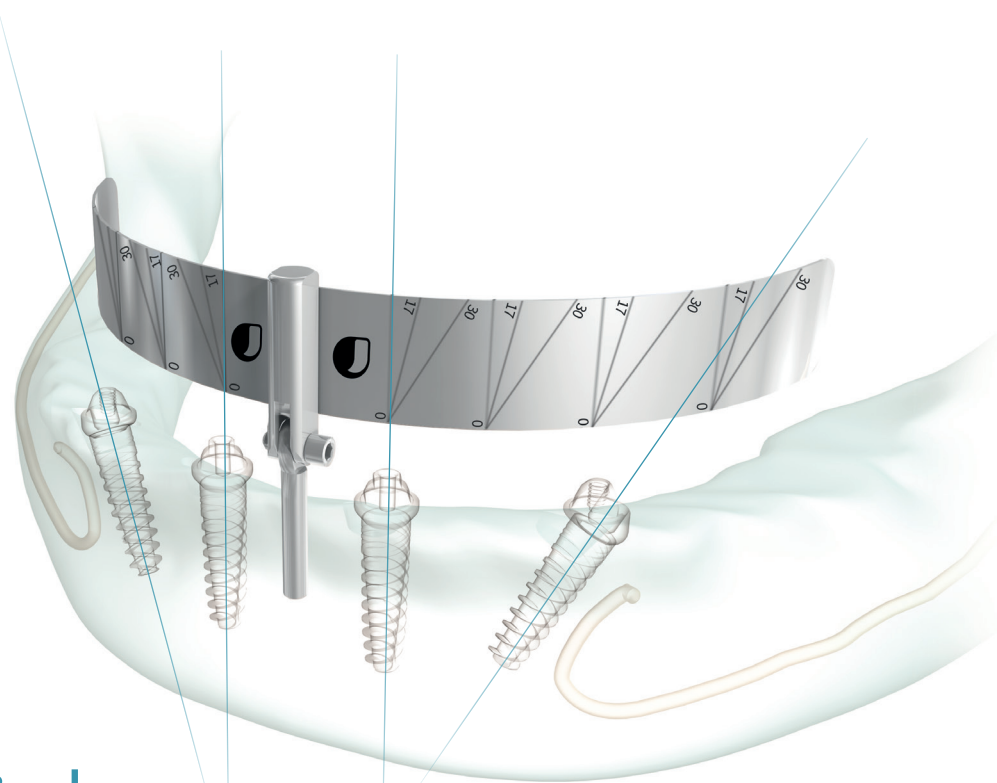




JDENTALCARE

just smile



JD Guide

Make simpler the full arch implant surgery.

JDGuide is a surgical guide which helps the dentist in positioning four implants to support a cross-arch immediately loaded fixed restoration.

Edentulous patients or patients with a terminal dentition can be treated with a fixed prosthesis supported by only four implants, two placed vertically in the anterior region and two placed up to an angle of 45° in the posterior region.

When used in the mandible tilting of posterior implant makes it possible to achieve good bone anchorage without interfering with mental foramina. In severely resorbed maxilla, tilted implants are an alternative to sinus floor augmentation.

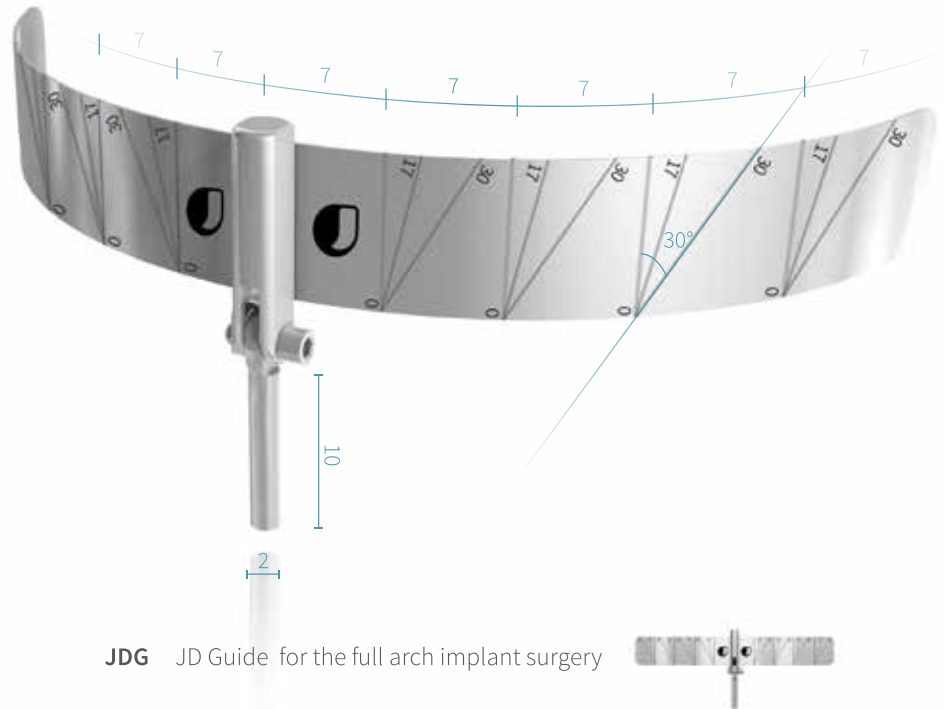


The use of the JDGuide assists in ensuring the placement of the implants with correct positioning, angulation and emergence.

The Guide is placed into a 2mm osteotomy that is made in the midline position of the maxilla or mandible and the titanium band is contoured to follow the arch of the opposing arch.

The Guide also assists in retracting the tongue in mandibular cases. The vertical lines on the Guide are used as a reference for placing parallel anterior implants and for drilling at the correct angulation to place posterior implants, which should not be greater than 45°. Going with the drill from one corner of the rectangle formed by two lines, an angulation of approximately 30° is obtained.

All dimensions are expressed in millimeters.



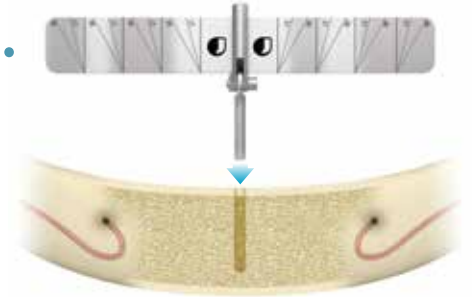
JDG JD Guide for the full arch implant surgery

Clinical procedures for mandible.

1. Position JDGuide

After making an incision for flap elevation, make an osteotomy of approximately 10mm in the midline using a $\varnothing 2\text{mm}$ drill.

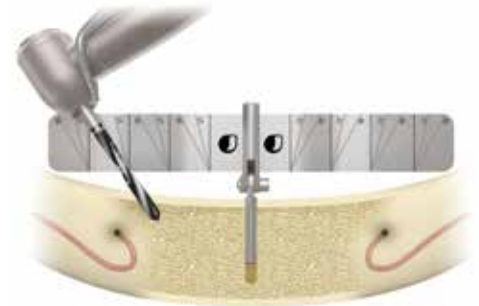
Place the JDGuide in the osteotomy.



2. Prepare posterior site

It is important to identify the mental foramen. The final position of the implant should be in front of the foramen, avoiding the nerve loop.

Drill to appropriate depth using a $\varnothing 2\text{mm}$ drill tilted to a maximum angle of 45° .



If indicated, use a Bone Mill together with a Bone Mill Guide to remove bone that could hinder correct seating of the abutment.

Place 30° conical abutment.

Perform the same procedure of the opposite posterior site.



3. Prepare anterior site

Prepare two anterior sites placing two parallel implants according to the vertical lines of the Guide.

If indicated, use a Bone Mill together with a Bone Mill Guide to remove bone that could hinder correct seating of the abutment.

Place straight or 17° conical abutment, according to the inclination of the jaw .



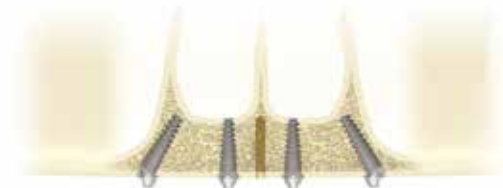
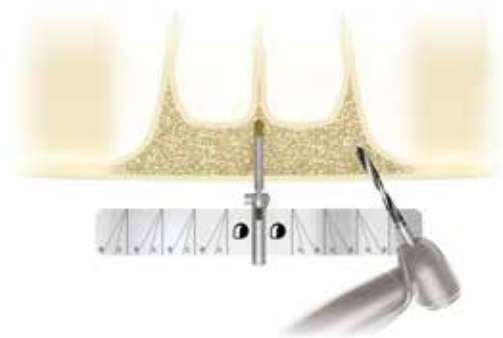
Clinical procedures for maxilla.

When performing the treatment in the maxilla, change the following steps for the posteriors sites in addition to those for the posterior sites in the mandible.

Identify the anterior wall of the maxillary sinus.

Start the site preparation as posterior as possible allowing approximately 4 mm from the sinus wall.

Incline the drill (not more than 45°) as far as possible to minimize the cantilever.





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