Technical specifications - AURORA® frameworks
Recommendations

Below we describe the specifications and technical recommendations necessary to make a real case with the AURORA® Premium frameworks of AVINENT.

1. AVAILABLE CONNECTIONS[1]

BRAND*	CONNECTION
AVINENT®	EC 3,5
	EC 4,1
	EC 5,1
	Transepithelial 4,8
	IC 3,5/4,1
	CC 3,5
	CC 4,1
Nobel Biocare®	Active NP
	Active RP
	Active WP
	Multi-unit
	Replace NP
	Replace RP
	Replace WP
	Replace 6,0
Straumann®	Bone Level NC
	Bone Level RC
Zimmer®	Tapered Screw Vent 3,5
	Tapered Screw Vent 4,5
	Tapered Screw Vent 5,7
BioHorizons®	Yellow 3,5
	Green 4,5
	Blue 5,7
Mis®	Standard
	Wide
AstraTech®	Aqua 3,5/4,0
	Lilac 4,5/5,0

*All brands that appear in this document are registered and belong to their owners.
[1]For the production of AURORA frameworks, a special library is currently available only for 3Shape. | Libraries for Exocad and Dental Wings in development.

## 2. DESIGN OF THE FRAMEWORK - TRANSVERSAL SECTION

Although 3D printing technology allows us to print any shape, it is recommended to make cases where there is enough space to design a bar with a **significant cross section of at least 9mm²**. When there is enough section, we perform a surface mesh to improve the retention of the prosthesis.
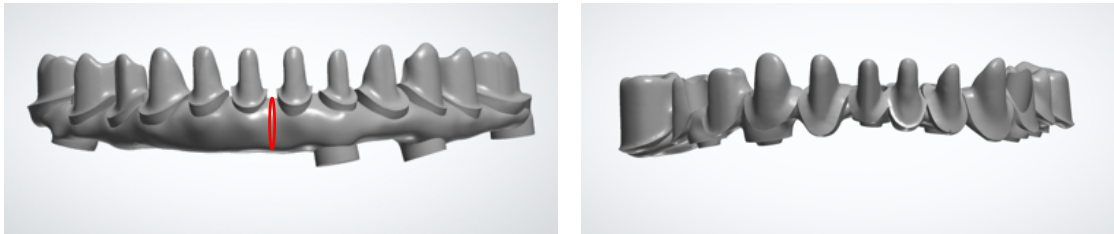
Figure 1-Left: Case where it is possible to make a more retentive surface modification. Figure 1-Right: Case where it is not possible to make a surface modification due to the low thickness of the bar.

## 3. POLISHED OR UNPOLISHED BASAL ZONE

We have the option of **polishing** or **not polishing** the basal area. **However, we appreciate if you choose the option "polish", mark the limit until where it should be polished with the same geometry of the bar.**
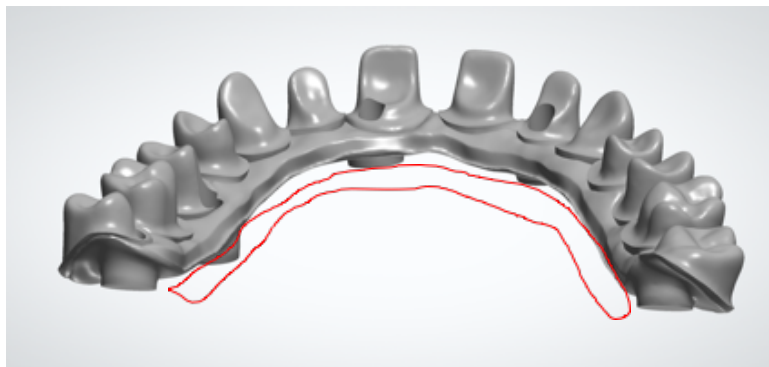
Figure 2: Boundary delimiting line between the polished basal zone and the rest of the bar.

4. SCREW HOLES

The screw holes must be included in the **initial design,** with the corresponding softwares and regardless of whether there is correct angulation or not.
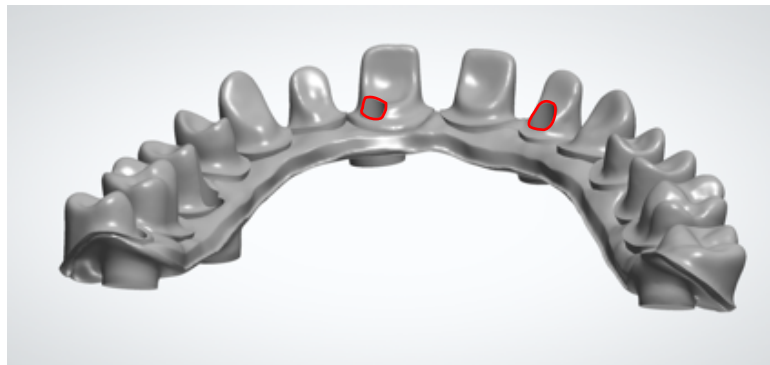
5. TYPES OF FRAMEWORKS - FOR ACRYLIC, COMPOSITE or PREMIUM

You can use any type of framework that seems appropriate, for **acrylic**, **composite** or **premium**. However, to make a **Premium case**, **two designs** must be made (two .stl separately):

- **Primary bar:** We recommend an anatomical reduction of the strumpfs of **approximately 0.3 mm**. In addition, they must have shoulders to be able to support the secondary in them.
- **Secondary:** The material with which this anatomy is milled is with *breCAM HIPC (Bredent) or VITA ENAMIC.*

Figure 4 - Left: Example of primary bar with its surface optimization. - Right: Correct insertion of the secondary to the primary bar.

AVINENT CAD-CAM