



Bio-Infinity®
BiiB = Bio-Infinity Implant Bridge

Benefits of BiiB Superstructures

- **Biocompatibility:** excellent especially when direct contact with tissue or bone is required
- **Strength:** Monobloc bar milled out of **Titanium 6AL-4V**
- **Lightness:** density is 4 times lighter than gold
- **Polishing quality:** the density and hardness of the selected alloy allows it to achieve a mirror finish
- **Passivity and adaptation quality:** milling precision with 5 microns
- **No laser welding edge and porosity**
- **Simplicity of the procedure**
- **Possibility to work directly on implant interface**
- **Design made by a dental technician:** according to the practitioner's requests

Titanium 6AL-4V mechanical properties

| Mechanical properties | Unit | Titanium 6AL-4V |
|---------------------------------|-------------------|-----------------|
| Density | g/cm ³ | 4.43 |
| Ultimate Tensile Strength | MPa | 896 |
| Modulus of Elasticity – Torsion | GPa | 42.06 |
| Modulus of Elasticity – Tension | GPa | 113.8 |
| Yield Strength (0.2% Offset) | MPa | 827 |
| Hardness | Brinell | 288-318 |

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