On1™ concept
Preserving soft-tissue attachment

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Gain peace of mind

The On1 Base has a unique prosthetic connection, ensuring that only precision-engineered Nobel Biocare restorations are used.

\[ F centerset \cdot \cos(\rho) \cdot \cos\left(\frac{\alpha}{2}\right) \]

\[ p = \frac{F centerset \cdot \cos(\rho) \cdot \cos\left(\frac{\alpha}{2}\right)}{d m \cdot \pi \cdot l \cdot \sin(\rho + \frac{\alpha}{2})} \]

A system is only as strong as its weakest link. This is why the On1 concept is designed and tested as a complete system. Small changes in any parameter can lead to extreme load and stress conditions, which can ultimately result in implant failure.

Leave the immediate soft tissue attachment intact

The On1 Base is seated at the time of implant placement. The connective tissue structure is left intact as the On1 Base remains in situ during the entire restorative workflow and throughout the lifetime of the restoration. Leaving the base in situ is in favor of marginal bone preservation and soft-tissue health.

Maintain surgical flexibility

The On1 concept can be used with any Nobel Biocare conical connection implant system, each designed for high primary stability and built-in platform shifting.
The On1 concept preserves connective tissue structure while offering full restorative and surgical flexibility. The concept simplifies the restorative procedure by moving the platform from bone level to tissue level.
Choose your preferred workflow

The On1 concept provides you with the option to follow the conventional impression taking or the intraoral scanning workflow using the special On1 IOS (Intraoral Scannable) Healing Cap. For easier handling, key components are delivered with a pre-mounted holder.

Option 1: Following the intraoral scan workflow, only the IOS Healing Cap is used before the final restoration is placed.

Option 2: Following the conventional workflow, the On1 Base stays in position while the healing cap, temporary restoration, impression coping and final restoration are placed.

Increase workflow efficiency with intraoral scanning

Save substantial chair time with the unique On1 IOS Healing Cap, which supports an intraoral scan workflow. This eliminates conventional restorative procedures, including impression taking, while also serving as an anatomically shaped healing abutment for optimized soft tissue contouring.

On1 Base featuring Xeal: the pioneering Mucointegration™ surface

Xeal is a pioneering surface for soft-tissue integration. It is a smooth non-porous, nanostructured and anodized surface and possesses surface chemistry and topography that are specially designed to promote soft-tissue attachment.
35-year-old male, missing premolar, non-smoker and good overall tissue health.

"With On1 you get the best of both worlds – a bone-level implant with built-in platform shifting and restoring at tissue level without disturbing the mucosal seal."

Dr. Bernard Touati, France
Extensive fatigue and strength testing of our systems (ISO 14801) is an integral part of product development at Nobel Biocare. It is designed to ensure our components perform as expected in a clinical setting. The On1 concept has gone through this thorough testing and was shown to be just as strong as any other prefabricated Nobel Biocare titanium abutment.

**The ISO 14801 test:**
- Dynamic bending compression tests on the system
- Testing performed in saline solution at 37°C
- Evaluation of the dynamic/fatigue strength performance
- Frequency: 2Hz; Run-out Cycles: 2,000,000
- Evaluation of screw residual torque after testing

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Order the complete range of our implants and prefabricated prosthetics 24 hours a day through the Nobel Biocare online store.

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Call our customer service team or contact your sales representative.

**LIFETIME WARRANTY**
The warranty covers all Nobel Biocare implants including prefabricated prosthetic components. For further information visit:

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