Product Information Sheet

NeoLoc®
Implant Abutment Connection

NeoLoc® is the unique Neoss® implant to abutment connection that offers the advantages of a remarkably strong and tight connection, proven long-term clinical success, high levels of bone preservation and the 'one connection' concept.

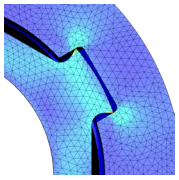
A Strong Connection

Mechanical integrity of all the components that make up a complete implant pillar is key to successful long-term tooth replacement. The clever design of the Neoss Implant System, including NeoLoc®, combines abutment deformation lugs, an unparalleled strong implant[1] and a high performance abutment screw.

Together these provide an outstanding implant pillar with a high clamping force that resists micromovement and long-term fatigue.[2]

Abutment Interference Fit

Neoss engaging abutments incorporate an interference fit, utilizing deformation lugs which minimize rotational movements and secures a distinct seating.



Crystaloc™ Abutment Screw

The Crystaloc™ surface technology facilitates a high clamping force between the abutment and implant[2] resulting in additional resistance to fracture during long-term clinical function.

Neoss Implants

Historical warranty data shows that Neoss implants have an unprecedented low fracture rate[1] with less than one fractured implant per 10,000 implants used.

One Connection

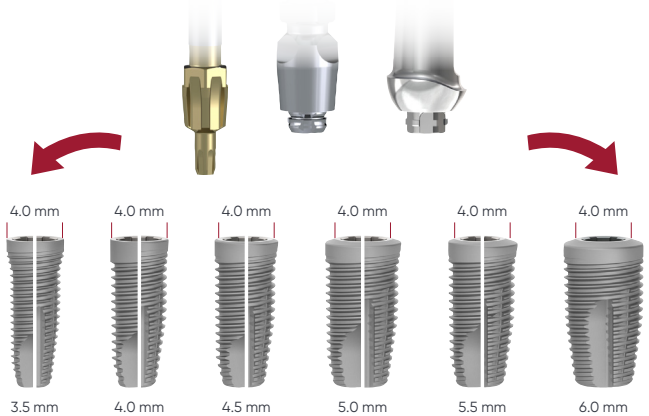
Intelligent Simplicity has long been the ethos of the Neoss Implant System. With the 'one connection' concept at its core, restoration is made easy and communication is simplified among the dental team.

Neoss offers one connection for ProActive Implant diameters Ø3.5 mm to Ø6.0 mm:

ONE insertion tool

ONE impression coping

ONE prosthetic connection



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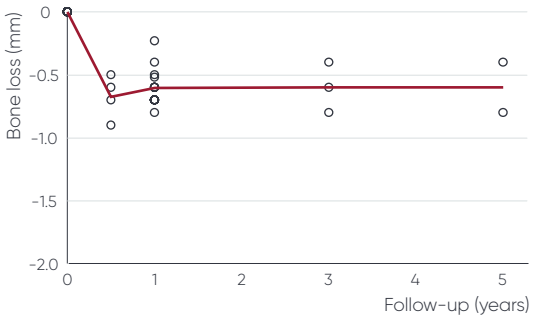
Soft Tissue Retention

Long-term Clinical Success

The Neoss Implant System has been used extensively throughout the world over the past 15 years.

The clinical performance of the Neoss implant system is well documented, and the data speaks for itself. Multiple independent clinical studies - with a follow-up time of one to six years, reporting on more than 2,350 implants in more than 830 patients - show high implant survival, minimal bone resorption, and excellent primary and secondary stability in all types of bone.[3]

High implant survival rates - The overall cumulative survival rate for Neoss ProActive® implants is 97.8% after one year and 97.5% after five years.



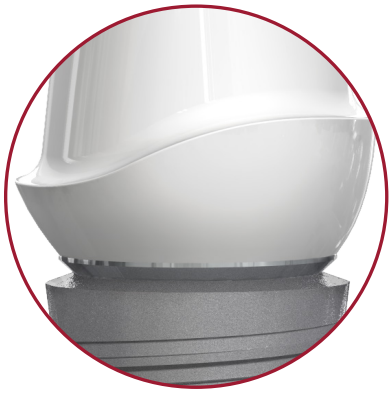
Extremely stable bone levels over time. Compilation of all published studies on Neoss implants that report bone remodeling data (n=15). Each circle represent one study, the line represents the mean of all studies.

Preservation of Marginal Bone

The smooth surface on the implant flange (~2 mm) and the stability of the implant abutment connection have resulted in outstanding clinical results with minimal marginal bone resorption. The mean bone loss in all studies is 0.62 mm after one year, and 0.60 mm after five years.[3] This indicates extremely stable marginal bone levels after a minimal bone resorption during the healing phase.

Preservation of Soft Tissue

The Neoss implant to abutment interface is designed to optimize soft tissue retention by the creation of an emergence profile where the abutment seating is narrower than the implant flange diameter, commonly referred to as platform switching.



Esthetiline Solution

The long-term esthetic result is governed by soft tissue stability based on the preservation of marginal bone and the retention of soft tissue. The Esthetiline Solution further enhances the esthetic outcome by providing components that maintain the emergence profile through healing, provisional and final restoration stages of treatment.

1. *Neoss Warranty data on file*
2. *Fatigue Performance according to ISO 14801, Neoss Sponsored Report*
3. *Multiple studies as listed in Clinical Evidence - Proven Performance, 11954*

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