NEODENT® GRAND MORSE™ IMPLANT SYSTEM

GREATNESS IS AN ACHIEVEMENT.

NEODENT®
A STRAUMANN GROUP BRAND

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GRAND MORSE™
IMPLANT SYSTEM

GREATNESS IS AN ACHIEVEMENT.

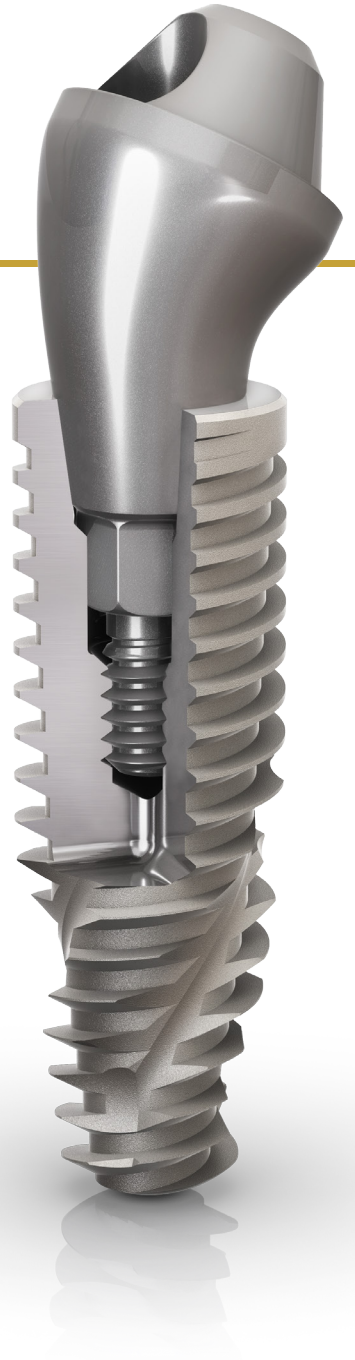
The Neodent® Grand Morse™ Implant System is the achievement of more than 20 years of experiences in implant dentistry, and shared experiences with many clinicians worldwide. Continuing with a unique purpose to always deliver high quality treatment options that changes patients' lives, the Grand Morse™ Implant System is the Neodent® evolution. Anchor within our philosophy of respecting mechanical and biological principles, this makes it THE implant of choice in dental implant therapy.

+150 studies

+ 20 years history

2nd largest dental implant company worldwide

The Grand Morse™ implant system was developed based on the inside out concept, starting from the core of the implant: the prosthetic interface. The result is a solution that combines mechanical strength and versatile prosthetic solutions - from unitary to multiple and from conventional to digital. A complete system that offers several benefits designed to make your work even more efficient.



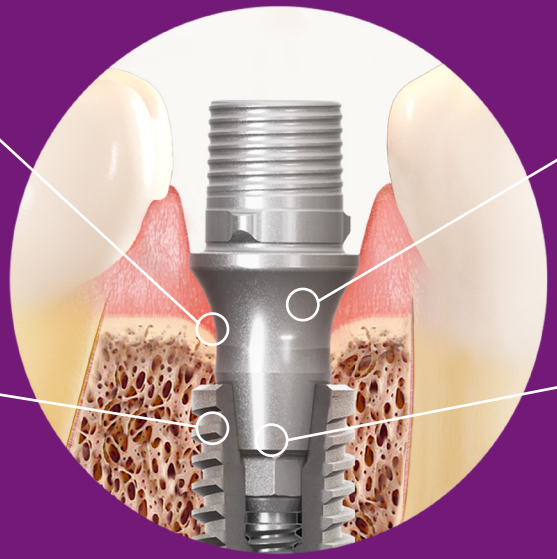
GRAND BENEFITS

GRAND RELIABILITY

Stable and strong foundation designed for long term success.

GRAND STABILITY

Designed for predictable immediate treatments in all bone types.



GRAND ESTHETICS

Delivers immediate natural esthetics.

GRAND SIMPLICITY

Ease of use at its best.

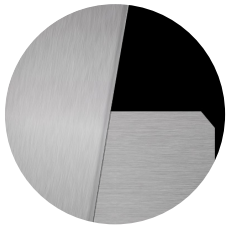

Experience, talent
and determination
that results in confidence.

GRAND RELIABILITY

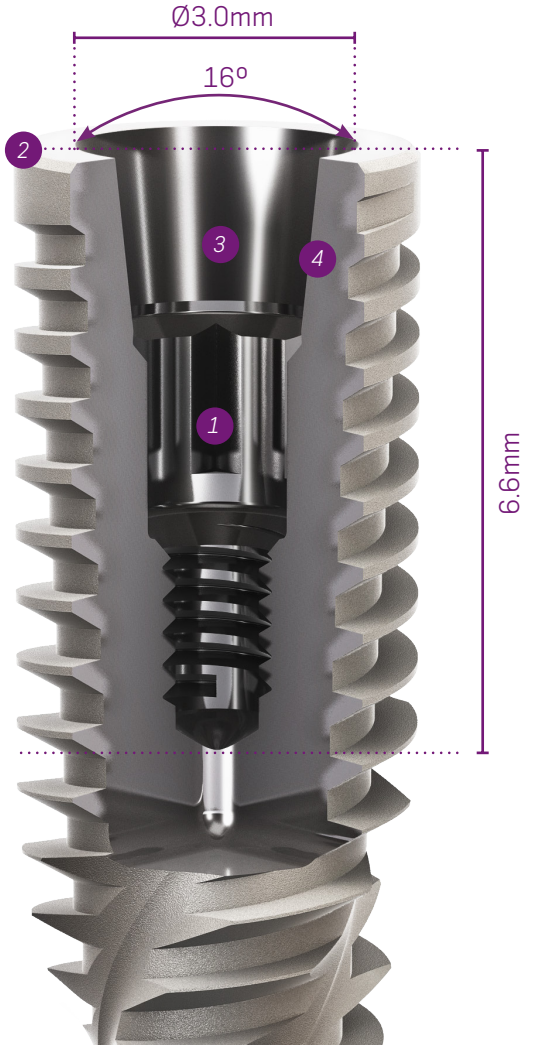
Stable and strong foundation for long term success.

The implant-abutment interface is crucial for a successful long term functional and esthetic result. The Neodent® Grand Morse™ connection offers a unique combination based on proven concepts: a platform switching associated with a deep 16° Morse taper including an internal indexation for a strong and stable connection designed to achieve long-lasting results.

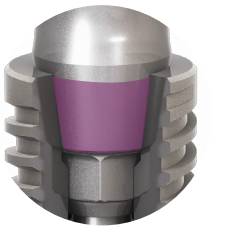
(1)
Internal Indexation
Precise abutment positioning, protection against rotation and easy handling.



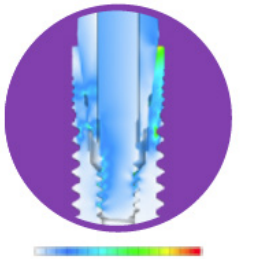
(2)
Platform Switching
Abutment design with a narrower diameter than the implant coronal area, enabling the platform switching concept[1-5].



(3)
Deep Connection
Allowing a large contact area between the abutment and the implant for an optimal load distribution.



(4)
16° Morse Taper connection
Designed to ensure tight fit for an optimal connection sealing.



GRAND STABILITY

Designed for predictable immediate treatments in all bone types.

The increasing expectations for shortened treatment duration represent a significant challenge for dental professionals. The Neodent® Grand Morse™ system offers three implants design all featuring the innovative Acqua™ hydrophilic surface designed to maximize primary stability and predictability in immediate protocols.

OPTIMAL IMPLANT PORTFOLIO DESIGNED TO ACHIEVE HIGH PRIMARY STABILITY.

- Helix™ Grand Morse™ is an innovative hybrid implant design maximizing treatment options and efficiency in all bone types;
- Drive™ implant is a fully tapered implant developed to achieve high primary stability in challenging bone situations such as soft bone and extraction sockets;
- Titamax™ is a cylindrical implant indicated for bone types I and II and allows for vertical placement flexibility.

Helix™

Unbeatable versatility.

All bone types

Drive™

High primary stability in challenging bone type.

Bone types III & IV

Titamax™

Vertical placement flexibility.

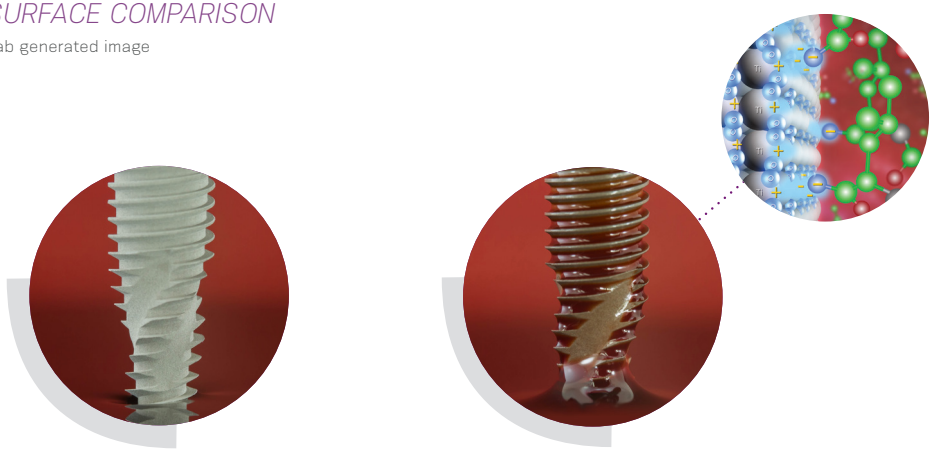
Bone types I & II

ACQUA™ HYDROPHILIC SURFACE DESIGNED FOR HIGH TREATMENT PREDICTABILITY.

The Neodent® Acqua™ hydrophilic surface is the next level of the highly successful S.L.A. type of surface developed to achieve successful osseointegration even in challenging situations with soft bone or immediate protocols.[6]

SURFACE COMPARISON

Lab generated image



Hydrophobic Surface (conventional)

***Acqua™** Hydrophilic Surface*

Hydrophilicity

The hydrophilic surface presents a smaller contact angle when in contact with hydrophilic liquids. This provides greater accessibility of organic fluids to Acqua™ implant surface.

Experience that
results in simplicity.

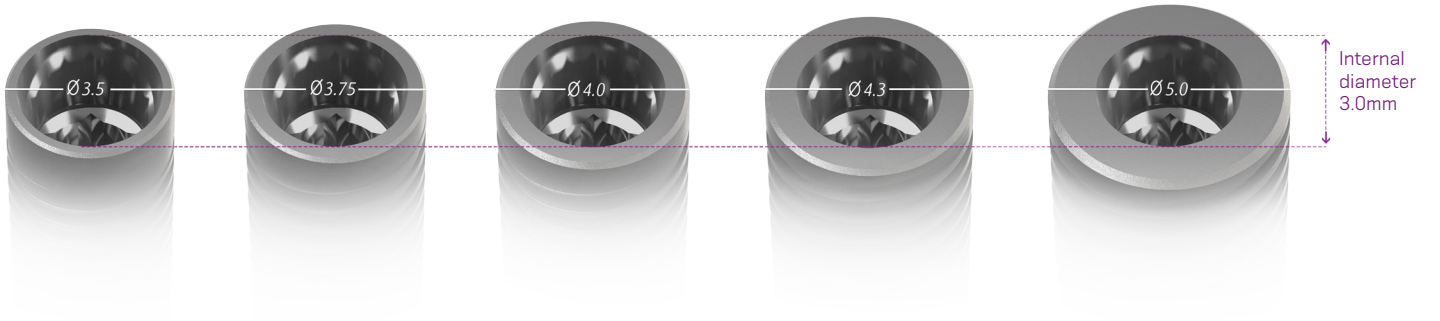
GRAND SIMPLICITY

Ease of use at its best.

Implant therapy has become an integral part of clinical dentistry, with ever increasing numbers of patients seeking such treatment. The Neodent® Grand Morse™ Implant System is smartly engineered providing efficiency and simplicity within the dental treatment network for both surgical to restoratives steps.

ONE PROSTHETIC PLATFORM

All Neodent® Grand Morse™ implants feature the unique Grand Morse™ connection regardless of the implant diameter.

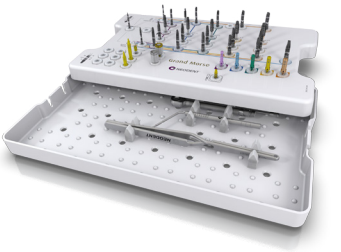


ONE SCREWDRIVER

The new Neo Screwdriver has a star attachment offering reliability and durability compatible with all Neodent® Grand Morse™ healing abutments and restorative screws.

ONE SURGICAL KIT

All Neodent® Grand Morse™ implants can be placed using the intuitive, and functional surgical kit.



ONE IMPLANT DRIVER

The new Neodent® implant driver allows an easy and reliable implant pick up and placement.


Esthetics that comes
from inspiration.

GRAND ESTHETICS

Deliver immediate natural esthetics.

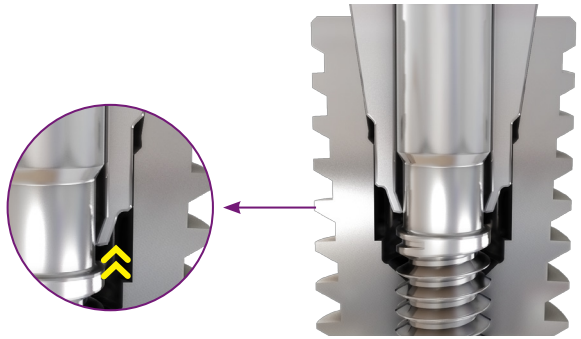
Nowadays, patients expect both short treatment times and esthetic results. The Neodent® Grand Morse™ restorative portfolio offers flexibility to simplify soft tissue management respecting the biological distances for achieving immediate function and esthetics.

NEXT LEVEL OF IMMEDIATE FIXED FULL-ARCH TREATMENT

The new Neodent® Grand Morse™ Mini Conical abutment has been designed to improve fixed full-arch treatment by optimizing the abutment emergence profile reducing the need of invasive procedures.

PEACE OF MIND WITH THE UNLOCKING FEATURE

Neodent® has developed a unique feature allowing a simple and reliable abutment removal for a user friendly experience.



COMPREHENSIVE PROSTHETIC PORTFOLIO FOR OPTIMIZED ESTHETIC RESULTS

The Neodent® Grand Morse™ implant system has a wide range of restorative options covering:
- All indications: single to edentulous
- All treatment protocols: immediate to delayed loading
- All workflows: conventional to digital.

Pro-Peek Abutment	Titanium Base	Universal Abutment	Abutment	Mini Conical Abutment	Micro Abutment
Temporary Single-unit	Single-unit			Multiple-unit	Single/Multiple-unit
Screw/Cement retained prosthesis		Cement-retained	Screw retained prothesis		

HELIX™

GRAND MORSE

UNBEATABLE VERSATILITY

Enjoy more treatment flexibility for your patients to create the optimal tooth replacement outcomes for all indications, from single tooth to fully edentulous. The new Helix™ Grand Morse™ allows for tailored treatment options according to the specific clinical situation, taking into account the biological principles and with respect to the fundamentals of implant dentistry.

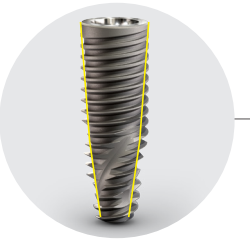
HYBRID DUAL TAPERED IMPLANT DESIGN FOR ESTHETIC EXCELLENCE

The new Helix™ Grand Morse™ is an innovative implant design combining a full dual tapered body design and a hybrid outer contour: cylindrical on coronal area and conical on the apical part. This allows for vertical implant placement flexibility in combination with under-osteotomy helping to preserve important peri-implant bone structures in the crestal area which is an important prerequisite to optimize the outcomes in esthetic sites.

UNPRECEDENTED PRIMARY STABILITY EVEN IN CHALLENGING SITUATIONS

The new Helix™ Grand Morse™ has a unique progressive dynamic thread design in combination with a small tip and flutes allowing immediate engagement. These features help to adapt the drilling sequence and primary stability to the clinical situations even in demanding cases, such as soft bone, fresh extraction sockets, converging root tips or to the treatment protocols with immediate implant placement and immediate loading.

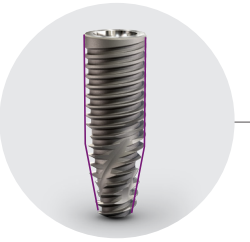
Fully tapered body design



• Coronal : 2° - 12°
• Apex : 16°

» Allowing under-osteotomy

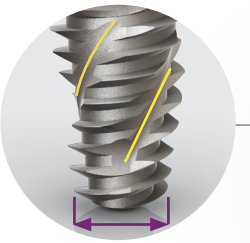
Hybrid contour



• Coronal : Cylindrical
• Apex : Conical

» For stability with vertical placement flexibility

Active apex



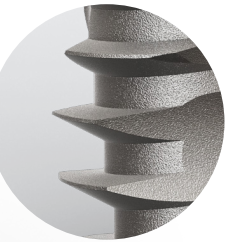
• Soft rounded small tip
• Helical flutes

» Enabling immediate loading

Dynamic progressive thread design

• Coronal : Trapezoidal > compressing
• Apex : V-Shape > Self-tapping

» Achieving high primary stability in all bone types

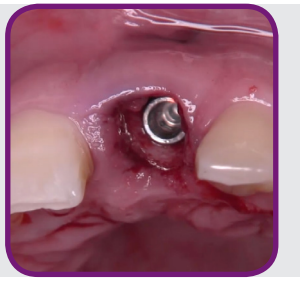


CLINICAL CASE

Initial x-ray of #9 with extraction indication

Tooth 9 extraction

Grand Morse™ Implant Helix™ Acqua™ 3.75x16mm



Immediate implant placement post extraction

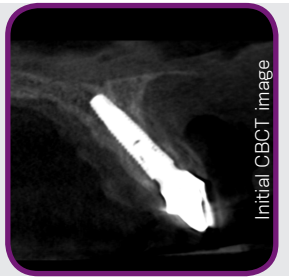
Grand Morse™ Titanium Base immediately inserted after implant placement

Grand Morse™ Titanium Base with customized zirconia abutment

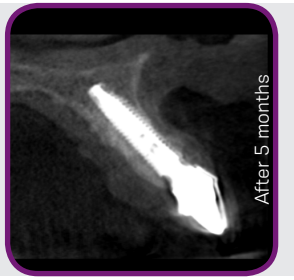
View of the provisional prosthesis with immediate load under occlusion

5 months follow up after implant placement

Final ceramic crown installed 5 months after surgery

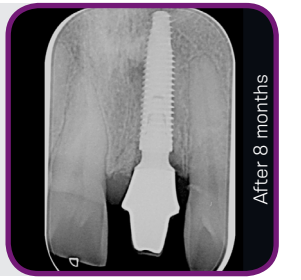


CB(CT) image on the day of implant placement



CB(CT) image 5 months after implant placement

X-ray on the day of implant placement



X-ray 8 months after implant placement

Clinical Case gently provided by Dr. Geninho Thomé, ILAPEO (Curitiba, PR, BRA).

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