ATLANTIS™ abutments – patient-specific abutments beyond CAD/CAM
Unique originals for unique individuals

As a part of its Digital Open Solutions offering, DENTSPLY Implants delivers outstanding patient-specific prosthetic solutions.

ATLANTIS abutments support cement- and screw-retained solutions on all major implant systems and provide an excellent foundation for best possible function and esthetics.

Incorporating ATLANTIS into the dental practice and dental laboratory provides peace of mind for both clinicians and dental technicians while allowing for increased efficiency and profitability.

The natural choice

Why should you choose ATLANTIS patient-specific abutments?

Because ATLANTIS abutments take all the necessary design parameters into consideration for outstanding prosthetic solutions.

Through the use of the patented ATLANTIS VAD (Virtual Abutment Design) software, each ATLANTIS abutment is individually designed from the final tooth shape taking the specific edentulous space, surrounding teeth and soft tissue anatomy into consideration.

By taking these factors into account, implant prosthetics will truly mimic natural tooth function and appearance.
On-time, early or same-day shipping performance: 99%

More than one million ATLANTIS abutments produced and sold globally: >1M

Number of compatible implant connections: 85

ATLANTIS Abutment is introduced and the first abutments are delivered: 1999

Comprehensive warranty program:
- 5-YEAR ZIRCONIA
- LIFETIME GOLD-SHADED TITANIUM
- LIFETIME TITANIUM
- 5-YEAR TITANIUM

Published clinical studies and case reports documenting success using ATLANTIS abutments: 28

Time it takes to enter and process an order for an ATLANTIS abutment in ATLANTIS WebOrder: 1min

For more details on this infographic, visit www.atlantisdentsply.com
Custom Connect™
– strong and stable fit

- Indexing – ensures the abutment is correctly oriented to the implant
- Anti-rotation – keeps the abutment from moving during torquing
- Abutment-to-implant fit – designed and milled for precise connection and load transfer between abutment and implant
- Abutment screw – functions with clinicians’ existing drivers; and provides retrievable mechanical attachment

ATLANTIS VAD™ considers numerous features and design parameters necessary for premium prosthetic solutions.
ATLANTIS VAD™

goes beyond CAD

CAD = human designs, aided by computers
ATLANTIS VAD™ = computer designs, aided by humans

The ATLANTIS Abutment BioDesign Matrix is a synergy of four unique elements that together allow for the design and production of consistent, high-quality, patient-specific abutments for all major implant systems.

ATLANTIS VAD™
Designed from the final tooth shape. ATLANTIS VAD (Virtual Abutment Design) software makes it possible to design each abutment in relation to the edentulous space and the surrounding teeth for high precision and a more natural esthetic result.

Natural Shape™
Unique anatomical shape and emergence profile that nourishes soft tissue management and provides excellent support and retention of the final restoration.

Soft-tissue Adapt™
The combination of biological, anatomical and engineering parameters that provide the beneficial conditions for healing soft tissue and adapting it to the finished crown.

Custom Connect™
Strong and stable fit – customized connection for every major implant system. ATLANTIS abutments connections and screws are specifically engineered and tested for each implant interface for accurate fit, stability, and a successful result.

ATLANTIS Abutment BioDesign Matrix™
Freedom – available for all major implant systems

ATLANTIS is an open solution available for all major implant systems. This means that your preferred implant systems can be restored with ATLANTIS abutments.

After 6 weeks of healing, the abutment was removed and a healthy emergence profile was observed with healthy tissue.

ATLANTIS Abutment was virtually designed with the emergence profile of the molar and processed in titanium.

X-ray showing the perfect fit of abutment into the implant and the space between the emergence of abutment and surrounding bone.

Perfect soft tissue adaptation around the final restoration, filling the spaces for the interproximal papillae and giving a symmetrical balance of the gingival contour.

Case courtesy of Fernando Rojas-Vizcaya, DDS, MS, University of North Carolina, Chapel Hill, USA and Dominika Prochal, CDT, Warsaw, Poland.
Freedom – restorative and material versatility

ATLANTIS abutments support cement-retained and single-tooth, screw-retained restorations, in biocompatible materials including titanium, gold-shaded titanium and zirconia. This freedom of choice allows you to fulfill patient’s requirements for excellent function and esthetics.

ATLANTIS abutments in zirconia are available in different shades.

ATLANTIS abutments in titanium. Suitable for all positions in the mouth.

ATLANTIS Abutment in gold-shaded titanium with a thin coating of biocompatible titanium nitride (TiN). Suitable for all positions in the mouth.

ATLANTIS abutments in zirconia are milled from solid blanks of yttria-stabilized tetragonal zirconia polycrystals (Y-TZP). Suitable for all positions in the mouth.

ATLANTIS Crown Abutment in zirconia, for single-tooth screw-retained restorations. Suitable for all positions in the mouth.

Courtesy of Dr. Julian Osorio, Dr. Keith Phillips, Dr. Harold van der Burg and Dr. Marcus Dagnelid/ Mr. Per Daneskog CDT
ATLANTIS™ is good business

Incorporating ATLANTIS is an easy way to add a new dimension of a premium prosthetic solution offering for both the dental practice and the dental laboratory.

In addition, ATLANTIS abutments allow for a consistent workflow for all your implant-supported restorations, independent of the implant brand utilized. This streamlined approach brings simplicity and profitability to the dental practice by eliminating the time and costs for inventory management, maintenance and chairside modifications, while freeing up time for new additional cases at the dental laboratory.

Best of all, offering ATLANTIS does not require additional investment on software or equipment by the clinician or dental technician.

1. An implant-level impression is taken by the clinician and sent to the dental laboratory with a request for ATLANTIS abutments.

2. The order is entered by the dental technician using the web-based ATLANTIS WebOrder. Case models and materials are either shipped to DENTSPLY Implants or scanned directly at the laboratory.

3. All ATLANTIS abutments are designed by DENTSPLY Implants using the ATLANTIS VAD software. Designs can be reviewed and/or edited in ATLANTIS 3D Editor before being produced by DENTSPLY Implants.

4. Once produced, the ATLANTIS abutments are returned to the ordering dental laboratory that then creates the final prosthetic solution and sends the completed case back to the dental practice.
Developed for laboratory efficiency
• Consistent premium quality and delivery performance regardless of order volume
• Eliminate the time needed for designing and modifying abutments
• No need for investment in and maintenance of additional equipment and software
• Frees up skilled technicians’ time for other tasks

Designed for practice success
• A choice of anatomical emergence profiles for excellent function and esthetics
• Margins designed and placed at an ideal level for easy and safe removal of excess cement
• Simple restorative procedure – just take an impression and send it to your laboratory
• Comprehensive warranty program
Immediate Smile® featuring ATLANTIS™ Abutment

SIMPLANT 16 software package offers a fully digital solution for immediate temporizations, even at the time of tooth extraction. The solution contains a SIMPLANT Guide for the surgery, an ATLANTIS Abutment and an ATLANTIS Abutment Core File for making the temporary crown. Guide, abutment and temporary crown are delivered before surgery.

Let’s get connected

DENTSPLY Implants Digital Open Solutions provides technologies that make it easier for everyone to connect, thereby streamlining the workflow for all your implant supported patient-specific restorations.

This connectivity is present throughout the planning and treatment processes and is integrated in our partnership with our customers as well as among the treatment team members.

Connectivity also helps guarantee that you receive exactly what you expect, each and every time. Indeed, one of our highest priorities is ensuring that we deliver consistent and reliable products and services of the highest quality.

ATLANTIS™ 3D Editor

This viewer and editor – accessible in ATLANTIS WebOrder – lets the dental technician adjust the ideal abutment before production.

ATLANTIS™ Abutment Core File

The digital file of an ATLANTIS Abutment allows the dental laboratory to design a temporary or final crown even before the final ATLANTIS Abutment is delivered.
Later order
The digitally-captured abutment design allows for orders of an original ATLANTIS Abutment to be placed at a later date with or without changes to the existing abutment design. This solution eliminates the time needed for additional impressions.

Duplicate abutment
The technology behind ATLANTIS allows for a functionally identical duplicate of an ATLANTIS Abutment to be ordered and delivered with the original abutment. The duplicate abutment can serve as a master die for enhanced dental laboratory accuracy and optimized crown fit and eliminates the need for placement and retrieval of the abutment used clinically.

ATLANTIS™ CaseSafe
When DENTSPLY Implants is scanning your case, ATLANTIS CaseSafe ensures efficient and accurate transport of your order.

We have you covered
Naturally, the abutment solution that offers the greatest freedom is also backed by the most comprehensive warranty. In fact, if an implant supplier fails to honor their warranty in conjunction with the use of an ATLANTIS abutment, DENTSPLY Implants will cover both the abutment and the implant.*

As an added assurance that you have received a true ATLANTIS original abutment, warranty cards are provided with the order identification number for every case delivered.

*Subject to the terms and conditions of the ATLANTIS warranty. Visit www.atlantisdentsply.com for more information.
About DENTSPLY Implants
DENTSPLY Implants is the union of two successful and innovative dental implant businesses: Astra Tech Dental and DENTSPLY Friadent. DENTSPLY Implants offers a comprehensive line of implants, including ANKYLOS®, ASTRA TECH Implant System™ and XiVE®, digital technologies such as ATLANTIS™ patient-specific CAD/CAM solutions, SIMPLANT® guided surgery, regenerative bone solutions, and professional development programs. DENTSPLY Implants creates value for dental professionals, and allows for predictable and lasting implant treatment outcomes, resulting in enhanced quality of life for patients.

About DENTSPLY International
DENTSPLY International Inc. is a leading manufacturer and distributor of dental and other healthcare products. For over 110 years, DENTSPLY’s commitment to innovation and professional collaboration has enhanced its portfolio of branded consumables and small equipment. Headquartered in the United States, the Company has global operations with sales in more than 120 countries.