Simplicity without compromise: ASTRA TECH Implant System EV

Author: DENTSPLY Implants staff

DENTSPLY Implants is pleased to introduce the next step in the continuous evolution of the ASTRA TECH Implant System™.

The design philosophy of the ASTRA TECH Implant System EV is based on the natural dentition utilizing a site-specific, crown-down approach supported by an intuitive surgical protocol and a simple prosthetic workflow, for increased confidence and satisfaction for all members of the treatment team.

• Versatile implant designs including straight, conical, sloped*, short, narrow and wide, using only one surgical tray.
• Flexible drilling protocol allows for preferred primary stability.
• Restorative components including round and triangular options supporting soft-tissue sculpturing.
• Unique interface with one-position-only** placement for:
  — ATLANTIS™ patient-specific abutments.
  — Self-guiding** impression components that require only one hand for precise seating.

Uncompromised results

The foundation of this evolutionary step remains the unique ASTRA TECH Implant System BioManagement Complex™, well-documented for its long-term marginal bone maintenance and esthetic results.

Many years of research, science and documentation have revealed that the marginal bone level around the ASTRA TECH Implant System is well maintained. In fact, the average marginal bone reduction is less than 0.3 millimeters† after the first year of loading. And that figure still remains after five years.

A site-specific, crown-down approach

The success of an implant treatment is defined not only by function but also by esthetics. With the desired end result in mind, the site-specific, crown-down approach of the ASTRA TECH Implant System EV helps ensure a successful outcome.

Fig. 1. Versatile implant assortment. (Photos/Provided by DENTSPLY Implants)

Fig. 2. The Flexible drilling protocol allows for the preferred primary stability to be achieved.
Bone Grafts

OsteoGen®
Physicochemically & Crystallographically similar to human trabecular bone*

OsteoTape®
Human Bone Allografts

Membranes
CollaForm® Plugs
CollaForm® Singles
OsteoMend® XTD

Screw Kits
MiniPlate™

Grafts as low as $21 per cc

Order online at www.impladentltd.com or call (800) 526-9343

Multiple considerations are required for each individual tooth; the support needed for the final restoration in the particular position, soft-tissue healing, and implant design and size. In addition to the versatile implant assortment, corresponding restorative components are designed for optimized soft-tissue management and long-term function and esthetics, including:

- Round and triangular options for capturing the sculptured soft tissue
- Innovative interface providing one-position-only** placement of ATLANTIS patient-specific abutments

_Surgical simplicity and flexibility_

- Versatile implant assortment: The ASTRA TECH Implant System EV consists of a unique range of OsseoSpeed EV implants (Fig. 1), including solutions for:
  - Limited vertical bone height
  - Narrow and wide horizontal spaces
  - Sloped ridge situations*

  This allows for easy and efficient management of different challenges as they arise, including:
  - One- and two-stage surgery
  - Immediate and early restoration
- Flexible drilling protocol that allows for preferred primary stability: The drilling protocol is made easy by using color-coding and a simple numbering system. The options within the drilling protocol help ensure proper preparation of the marginal bone and allow for the preferred level of primary stability to be achieved (Fig. 2).

  The protocol includes the flexibility of a wider osteotomy preparation apically or along the entire osteotomy, as needed.

  The Step Drill design provides tactile control and guidance. The excellent cutting properties ensure efficient site preparation.
- One surgical tray — three overlay options:

  The surgical tray design with three interchangeable overlays** allows for adaption of tray content according to your clinical preferences. The color-coded tray has an intuitive layout for ease of use, effective handling throughout the surgical procedure and accurate communication among the surgical team. In addition, the grommet-free tray design simplifies the cleaning process.

_Restorative ease_

- Solutions for all restorative needs: The ASTRA TECH Implant System EV includes an extensive restorative assortment including patient-specific and a wide range of pre-fabricated abutments. Based on the site-specific, crown-down approach, these components are designed to help support all clinical situations and soft-tissue sculpturing requirements for final restorations. These solutions are also available in a choice of materials to support the planned final restoration and esthetic demand.

  - One system — one torque**: All final abutments are designed for one tightening torque value of 25 Ncm for simplicity. In addition, each abutment screw is optimally designed to ensure correct preload and a stable screw joint over time.

  - One interface — three indexing solutions: The ASTRA TECH Implant System EV offers a unique interface with one-position-only** for ATLANTIS patient-specific abutments (Fig. 3). The interface design also allows for the flexibility of six-position indexing of pre-fabricated abutments, while index-free abutments can be seated in any position.

  - Self-guiding** impression components: Self-guiding impression components require only one hand for precise seating (Fig. 4). When tightening the screw, the component rotates into position and engages into the implant only when correctly seated. This innovative design provides a predictable and time-efficient installation procedure. In addition, the Implant Pick-up Design EV is available for capturing individualized, sculptured soft-tissue shapes.

† Data on file
* OsseoSpeed Profile EV is not yet available
** Patent pending

Fig. 3. Innovative interface providing one-position-only placement of ATLANTIS patient-specific abutments.

Fig. 4. Self-guiding** impression components require only one hand for precise seating.