



SCIENCE MEETS INNOVATION

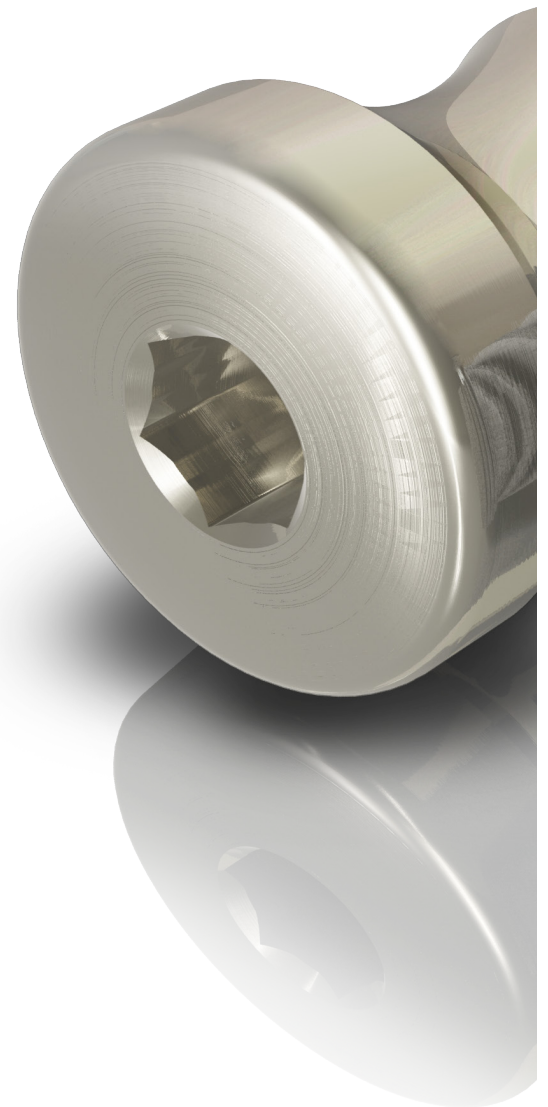


A KeystoneDentalGroup Brand



SCIENCE MEETS INNOVATION

We continue to build on our strong heritage as a contemporary implant system backed by science and innovation. Paltop offers six innovative implants with an advanced biological design, including state-of-the-art surgical and restorative components. This complete implant system with two restorative connections, both engineered for marginal bone preservation and restorative flexibility, can be placed utilizing the Premium Surgical Kit. The hallmark of our restorative components is a unique concave abutment profile, which helps deliver long-term aesthetics. Paltop leads with innovation through unique digital workflows and individual implant solutions, such as the Single-Unit Abutment System (SUA) and the Angulated Corrective System (ACS) designed to deliver excellent treatment outcomes and better patient care.





PALTOP IMPLANT STANDARDS

PLATFORM SWITCHING

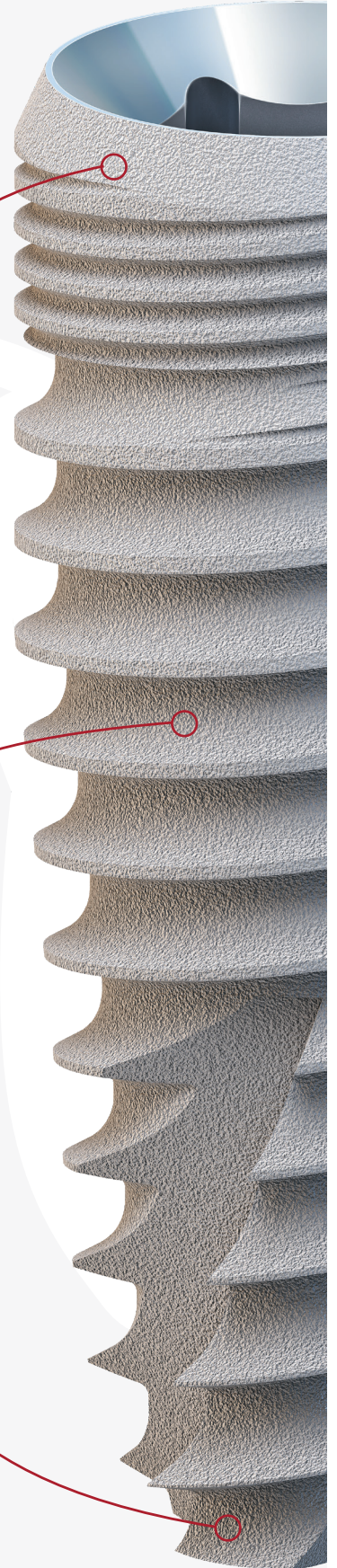
The platform switch maintains crestal bone and increases soft tissue volume around the implant platform.^{1,2,3}

CYLINDRICAL CORE

Cylindrical shape promotes long-term osseointegration by enlarging surface area and bone-to-implant contact.

INITIAL STABILITY

Aggressive threads in the apical portion for primary stability in indications, such as immediate extraction sockets, poor bone quality, and immediate loading.





BONE MAINTENANCE

Microthreads provide even load distribution, stabilizing, and maintaining crestal bone levels.^{4,5,6}

KLEAN

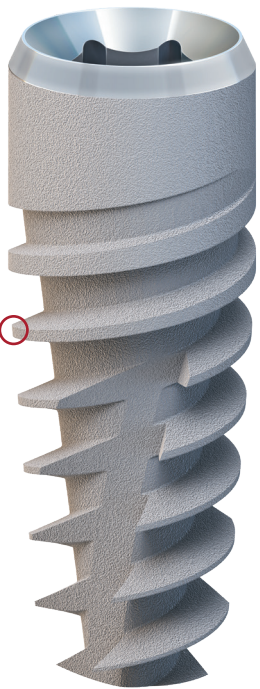
Sandblasted acid-etched surface, with an extensive multi-stage cleaning process, utilizes ultra-pure water (UPW) which removes undesired residues, providing a clean surface and maintaining an intact oxide layer.^{7,8,9}

TAPERED APEX

The apically tapered implant design allows for under-preparation of the osteotomy and supports primary stability in soft bone.

Ø 4.2 Dynamic Implant with internal hex connection shown.

THE PALTOP DIFFERENCE

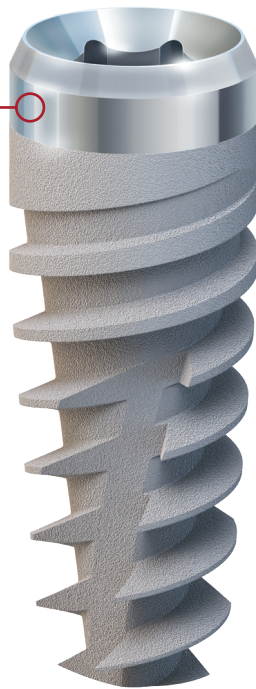


AGGRESSIVE THREADS

Double-lead thread design with an 1.2 mm thread pitch. Variable thread width from coronal to apical to increase bone-to-implant contact and initial primary stability.

ACTIVE APEX

Allows for aggressive bone anchoring in indications such as immediate loading, poor bone quality, and extraction sockets.^{10,11}



MACHINED COLLAR

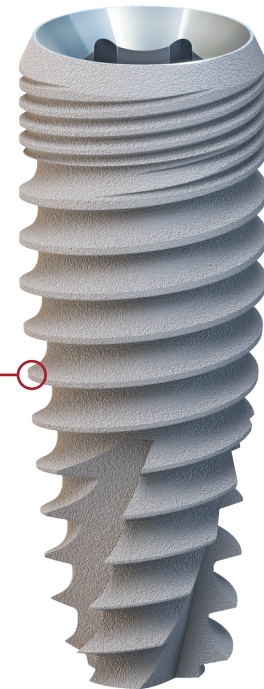
1.5 mm machined collar for different clinical indications and surgical flexibility.

AGGRESSIVE THREADS

Double-lead thread design with an 1.2 mm thread pitch. Variable thread width from coronal to apical to increase bone-to-implant contact and initial primary stability.

ACTIVE APEX

Allows for aggressive bone anchoring in indications such as immediate loading, poor bone quality, and extraction sockets.^{10,11}



CUTTING THREADS

Double-lead thread with a reverse buttress profile with 0.8 mm thread pitch.

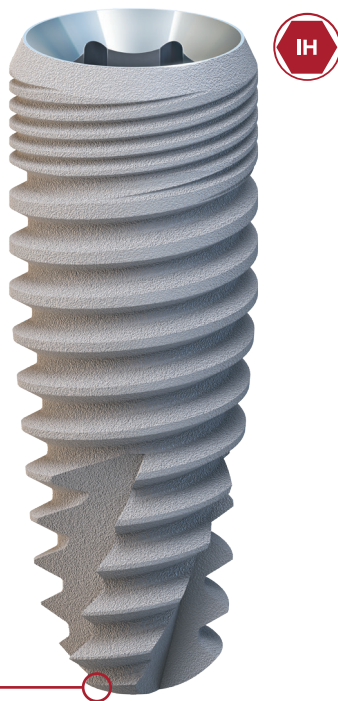
CUTTING APEX

Designed for controlled implant placement in challenging sites.

CC Conical Connection

IH Internal Hex Connection

ADVANCED
CLASSIC



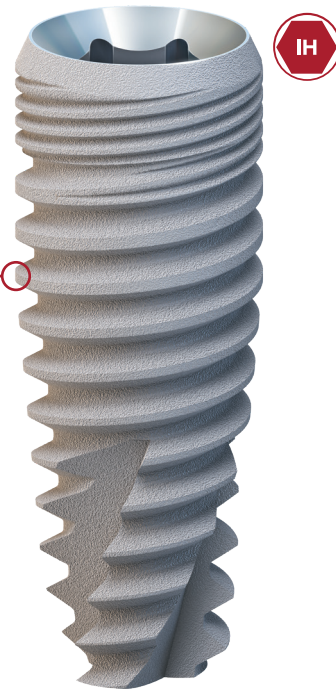
PASSIVE APEX

Passive apex enables safe implant insertion without damage to surrounding bone.

V-THREAD

One of the longest documented designs in scientific literature with more than 45 years of evidence.^{15,16}

ADVANCED+
SLIGHTLY ACTIVE APEX



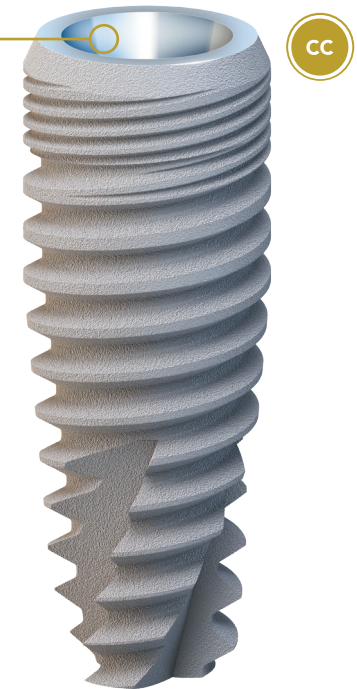
V-THREAD

One of the longest documented designs in scientific literature with more than 45 years of evidence.^{15,16}

CUTTING APEX

Designed for controlled implant placement in challenging sites.

PCA
PALTOP CONICAL ACTIVE



CONICAL CONNECTION

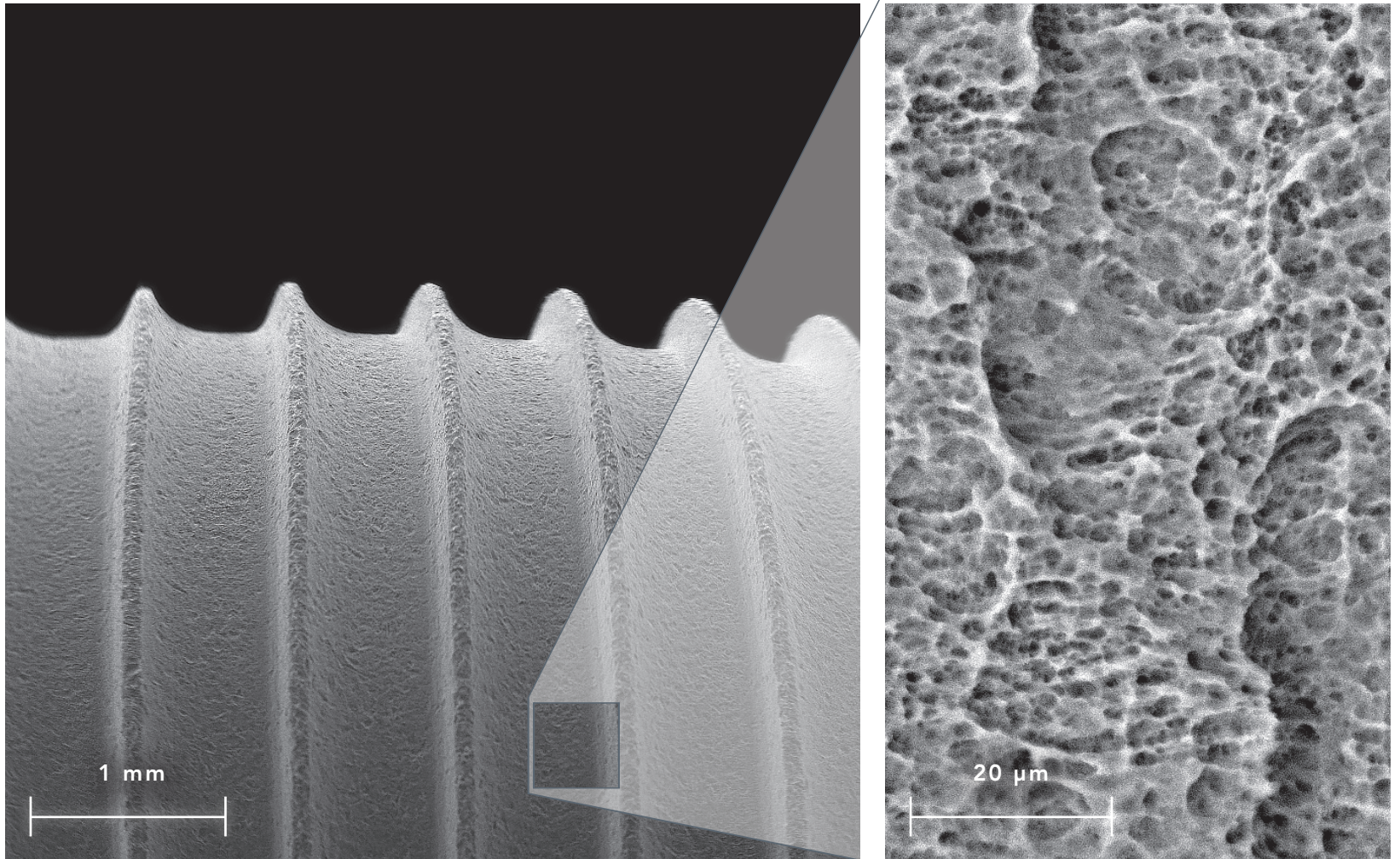
Tightly sealed conical interface with a deep internal hex connection offers high mechanical strength and platform switching to optimize bone preservation and soft tissue.^{12,13,14}

V-THREAD

One of the longest documented designs in scientific literature with more than 45 years of evidence.^{15,16}

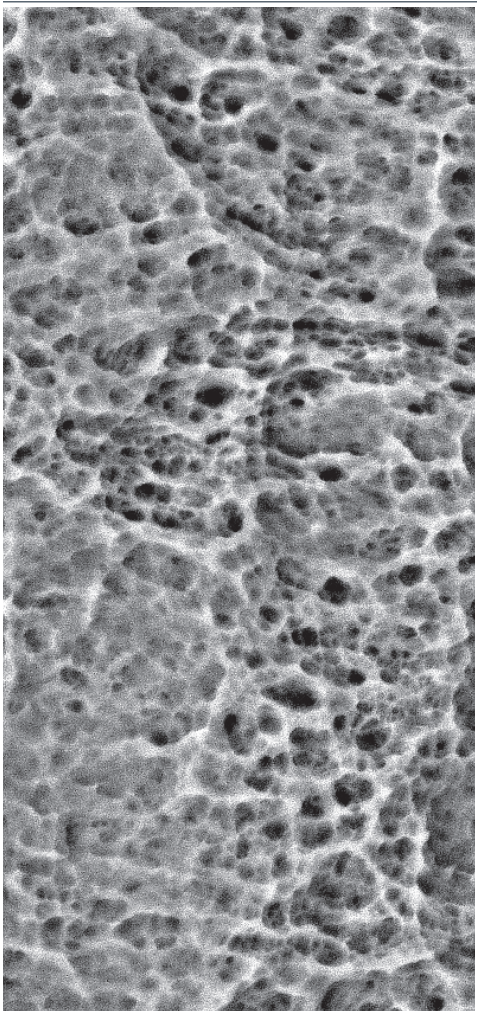
CUTTING APEX

Designed for controlled implant placement in challenging sites.



K-LEAN

The proprietary K-LEAN™ surface is created by two sequential stages: sandblasting, aimed at creating a porous surface topography, followed by acid etching, intended to generate micro-roughened surface structure. The surface treatment is completed by removing contaminants using ultra-pure water (UPW), a unique process acquired from the semiconductor industry.^{7,8,9}



FROM BDIZ EDI JOURNAL REPORT: SEM SURFACE ANALYSES OF 120 STERILE-PACKED IMPLANTS

"PALTOP has decided to consistently clean their products with ultra-pure water (UPW), which is rather expensive to produce, compared to regular demineralized water, and is otherwise mostly employed by the semiconductor industry. XPS analyses of the implant surface thus cleaned show no traces of sulphur, silicon, zinc or chlorine, inorganic impurities frequently found in the XPS analyses of the sandblasted and acid-etched surfaces of implants by other manufacturers. The corresponding EDX analysis shows only the typical elements for grade five titanium..."⁹



STERILE R LEADING IN PATIENT SAFETY

Paltop delivers sterile components throughout all treatment phases. The innovative implant packaging utilizes a titanium sleeve, designed to prevent potential contamination of the K-LEAN™ surface.

ADVANCED

BIOLOGICAL DESIGN

ENGINEERED FOR MARGINAL BONE PRESERVATION

LONG-TERM AESTHETICS

The sequence of matching restorative components contributes to the maintenance of soft-tissue volume and predictable bone preservation.¹⁷

CONCAVE PROFILE

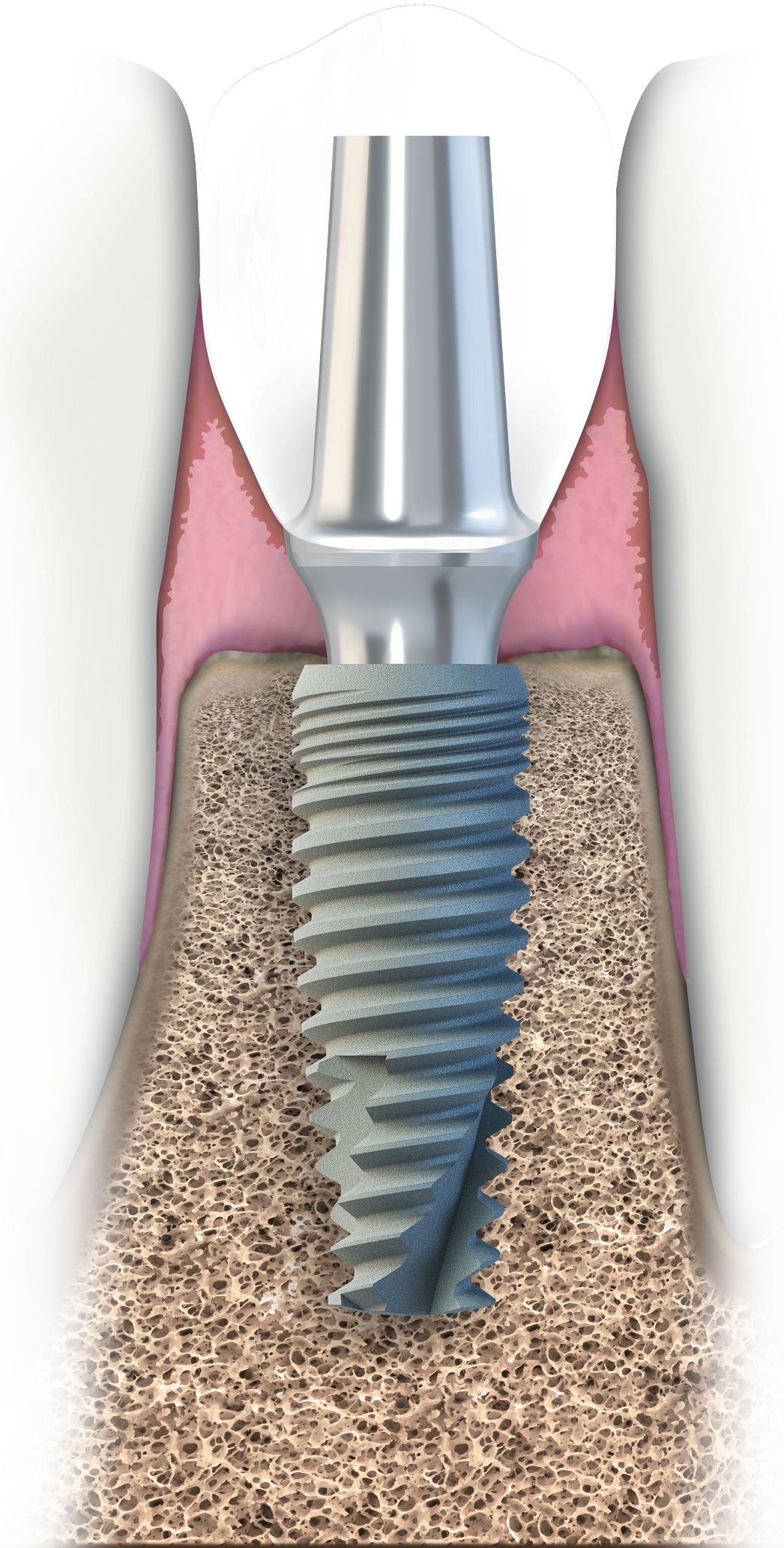
The prosthetically driven concave design increases soft-tissue volume, improving blood supply supporting an optimal emergence profile.^{17,18,19,20}

MICROTHREADS

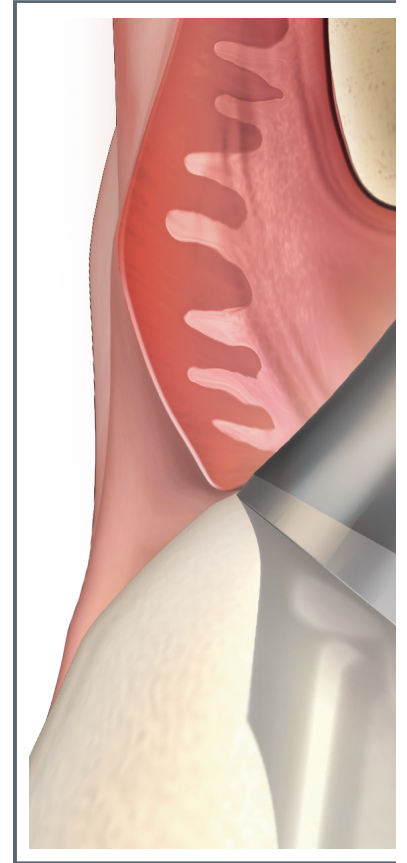
Provides even load distribution, stabilizes and aids in maintaining crestal bone levels.^{4,5,6}

KLEAN SURFACE

Extensive multi-stage cleaning process, utilizes ultra-pure water (UPW) maintaining an intact oxide layer.^{7,8,9}



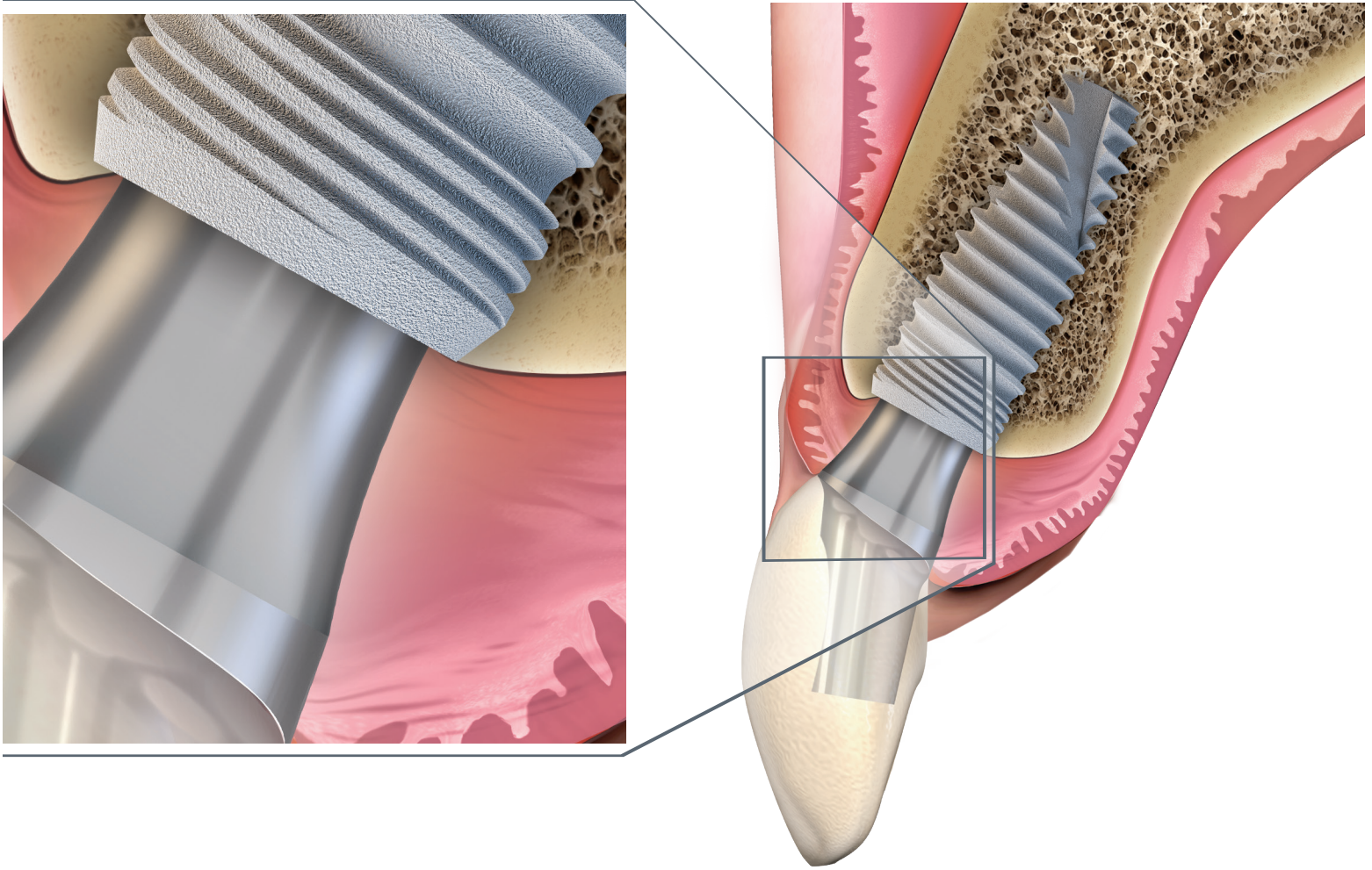
ENGINEERED AESTHETICS



ENHANCED GINGIVAL HEALING

CONCAVE THROUGHOUT THE TREATMENT

The Paltop implant system is a leader of innovative prosthetic solutions, offering prefabricated prosthetic components suitable for all restorative indications. The concave design creates an optimal emergence profile by forming a dense layer of soft tissue. The newly formed concave tissue architecture is maintained throughout the entire treatment.



PROVEN

INTERNAL HEX

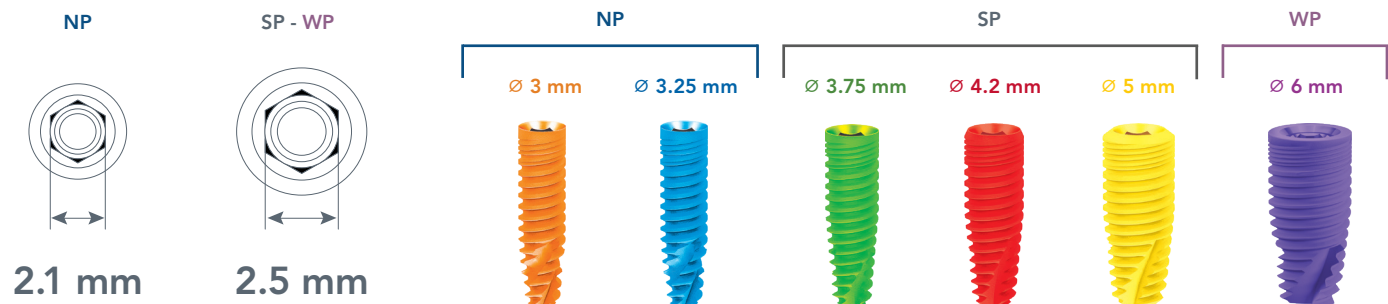
RESTORATIVE FLEXIBILITY

PROVEN CONNECTION

The internal hex connection is proven with over 40 years of long-term data supporting predictable aesthetic outcomes. The ease of use in abutment placement allows for a positive clinical experience. The deep internal hex connection provides abutment stability and a versatile prosthetic connection.

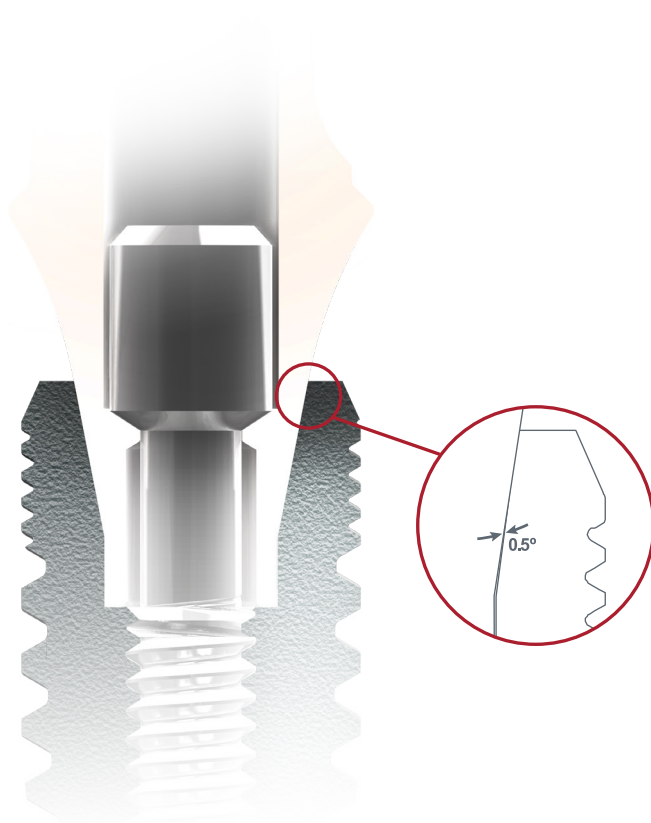
SIMPLIFIED INVENTORY

The narrow, standard and wide platforms for all Paltop internal hex implants offer restorative flexibility with reduced inventory. The standard internal hex platform covers 3.75 mm, 4.2 mm, and 5.0 mm implant diameters.



SECURE

CONICAL CONNECTION



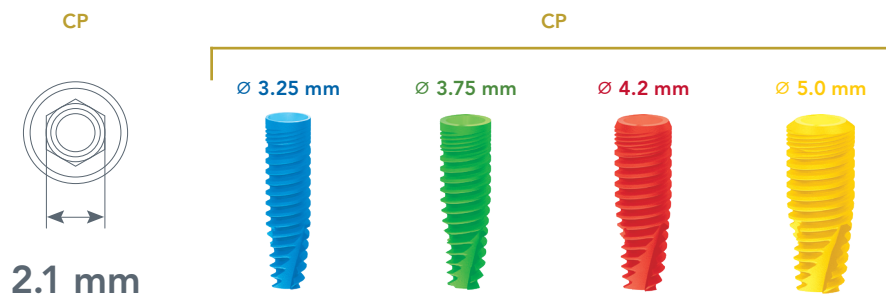
ONE CONNECTION

SIMPLIFIED WORKFLOW

One platform across all implant diameters simplifies the restorative workflow, with one prosthetic connection providing a variety of restorative options. This drives efficiency and reduces treatment complexity.

PRECISION MILLED

Implant and abutments are produced to an accuracy of 0.5° to achieve excellent retention. The tighter the tolerance, the greater the mechanical retention for eliminating micromovement and providing a clinical seal between the implant and the abutment.^{12,13,14}



ONE KIT

FOR ALL PALTOP IMPLANTS

The Premium Surgical Kit is used for all Paltop implant designs. Suitable for all implant diameters: 3.0 mm, 3.25 mm, 3.75 mm, 4.2 mm, 5.0 mm and 6.0 mm.

EXPANDED TREATMENT CAPABILITY

3.0 mm final drill now included to facilitate placement of the 3.0mm implant.

INCREASED DRILLING EFFICIENCY

The drills are manufactured by a leading provider of the highest quality rotary instruments that perform better, last longer and are color-coded according to diameter and length.

IMPROVED USER EXPERIENCE

State-of-the-art bending beam torque wrench now included.

IMPROVED CLEANING AND DISINFECTION

One-piece grommetless technology facilitates improved cleaning and disinfection of the surgical kit during the sterilization process (approved for use in surgical washer-disinfectors). For full cleaning and sterilization guidelines please refer to both the surgical kit and Paltop instructions for use.





FULLY GUIDED SURGICAL KIT



VIRTUAL PLANNING FOR THE DESIRED AESTHETIC RESULT

The state-of-the-art Fully Guided Surgical Kit eliminates cumbersome drill guide keys/spoons for placing all implants from 3.25 mm to 5.0 mm in diameter. The Fully Guided Surgical Kit includes a handpiece specifically designed for the innovative Digital Guidance Sleeve (DGS). The DGS provides continuous direct irrigation to each drill and protects the drilling flutes from contacting the guide sleeves in order to avoid metal shavings from entering the osteotomy.

DIGITAL GUIDANCE SLEEVE

DGS

DIGITAL INNOVATION

The pioneering Digital Guidance Sleeve (DGS) engages into the handpiece and eliminates the need for drill keys. Increased entry-angle flexibility allows for access in limited posterior interarch spaces. The DGS protects the osteotomy from inadvertent metal shavings while allowing for copious direct irrigation.



ANGULATED CORRECTIVE SYSTEM

ACS

INCREASED RESTORATIVE FLEXIBILITY

ACS abutments are for precision-manufactured CAD/CAM screw-retained restorations where angulation of the screw access hole is required for improved aesthetics and/or function.

20° OF AESTHETICS

The ACS system permits angulation of the screw access hole up to 20 degrees. This is achieved with the aid of a specially designed abutment screw and screwdriver (hand or ratchet) to facilitate precise tightening of the abutment screw at the required torque.



SINGLE-UNIT ABUTMENT SYSTEM

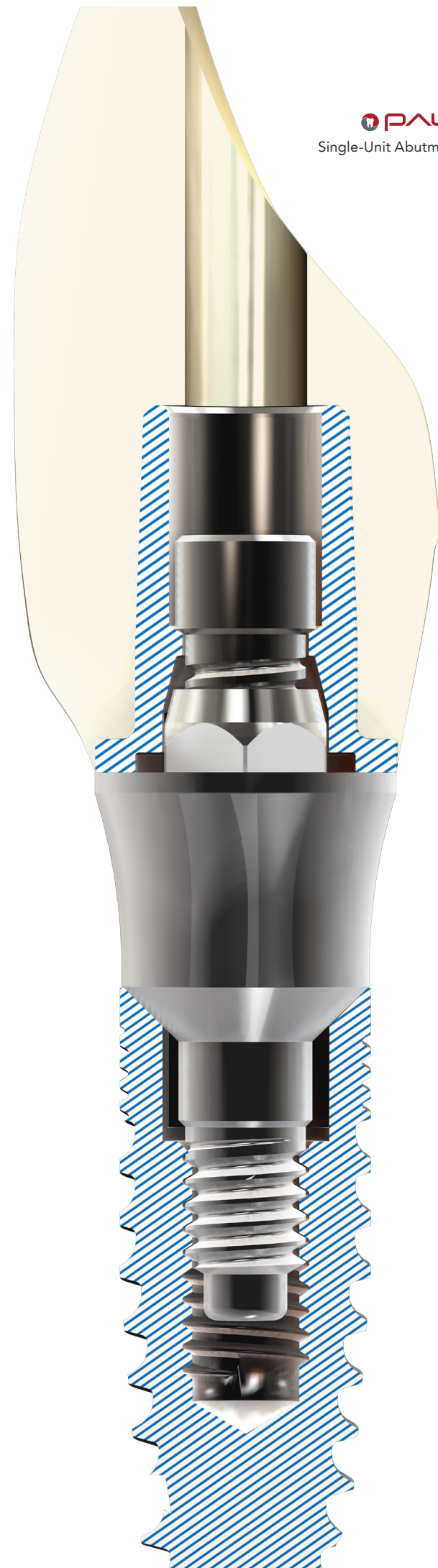
SUA

SOFT-TISSUE PRESERVATION

The Single-Unit Abutment (SUA) is designed for single-tooth restorations placed at time of surgery. The concave profile of the SUA enables increased volume of soft tissue, facilitating an uninterrupted seal. The SUA reduces soft-tissue disruption that may cause apical migration of epithelial cells, potentially creating pockets of unstable soft tissue. The concept of a final abutment at time of surgery helps promote bone maintenance and greater aesthetic outcomes.

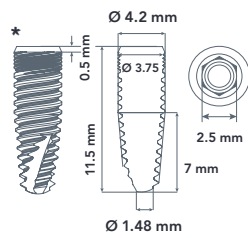
ELEVATED RESTORATION

The one-piece Single-Unit Abutment allows for platform switching and a tissue-level restoration, maintaining long-term soft-tissue attachment.



IMPLANT SPECIFICATIONS

ADVANCED CLASSIC



6.0 mm
8.0 mm
10.0 mm
11.5 mm
13.0 mm
16.0 mm

NP

Ø 3.25 mm

SP

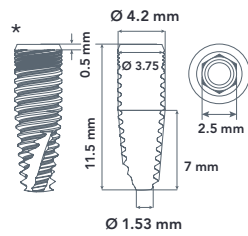
Ø 3.75 mm

Ø 4.2 mm

Ø 5 mm

| | Ø 3.25 mm | Ø 3.75 mm | Ø 4.2 mm | Ø 5 mm |
|---------|-----------|-----------|----------|----------|
| 6.0 mm | — | — | 20-70005 | 20-70011 |
| 8.0 mm | — | 20-70017 | 20-70006 | 20-70012 |
| 10.0 mm | 20-70018 | 20-70001 | 20-70007 | 20-70013 |
| 11.5 mm | 20-70019 | 20-70002 | 20-70008 | 20-70014 |
| 13.0 mm | 20-70020 | 20-70003 | 20-70009 | 20-70015 |
| 16.0 mm | 20-70021 | 20-70004 | 20-70010 | 20-70016 |

ADVANCED+ SLIGHTLY ACTIVE APEX



6.0 mm
8.0 mm
10.0 mm
11.5 mm
13.0 mm
16.0 mm

NP

Ø 3 mm

Ø 3.25 mm

SP

Ø 3.75 mm

Ø 4.2 mm

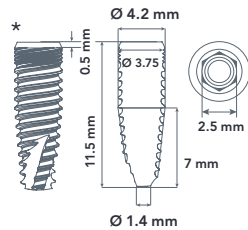
Ø 5 mm

WP

Ø 6 mm

| | Ø 3 mm | Ø 3.25 mm | Ø 3.75 mm | Ø 4.2 mm | Ø 5 mm | Ø 6 mm |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| 6.0 mm | — | — | — | 20-70005P | 20-70011P | 20-70022P |
| 8.0 mm | — | — | 20-70017P | 20-70006P | 20-70012P | 20-70023P |
| 10.0 mm | 20-70034P | 20-70018P | 20-70001P | 20-70007P | 20-70013P | 20-70024P |
| 11.5 mm | 20-70035P | 20-70019P | 20-70002P | 20-70008P | 20-70014P | 20-70025P |
| 13.0 mm | 20-70036P | 20-70020P | 20-70003P | 20-70009P | 20-70015P | 20-70026P |
| 16.0 mm | 20-70037P | 20-70021P | 20-70004P | 20-70010P | 20-70016P | 20-70027P |

Dynamic ENHANCED STABILITY



6.0 mm
8.0 mm
10.0 mm
11.5 mm
13.0 mm
16.0 mm

NP

Ø 3 mm

Ø 3.25 mm

SP

Ø 3.75 mm

Ø 4.2 mm

Ø 5 mm

WP

Ø 6 mm

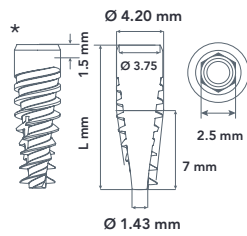
| | Ø 3 mm | Ø 3.25 mm | Ø 3.75 mm | Ø 4.2 mm | Ø 5 mm | Ø 6 mm |
|---------|----------|-----------|-----------|----------|----------|----------|
| 6.0 mm | — | — | — | 21-70005 | 21-70011 | 21-70022 |
| 8.0 mm | — | — | 21-70017 | 21-70006 | 21-70012 | 21-70023 |
| 10.0 mm | 21-70034 | 21-70018 | 21-70001 | 21-70007 | 21-70013 | 21-70024 |
| 11.5 mm | 21-70035 | 21-70019 | 21-70002 | 21-70008 | 21-70014 | 21-70025 |
| 13.0 mm | 21-70036 | 21-70020 | 21-70003 | 21-70009 | 21-70015 | 21-70026 |
| 16.0 mm | 21-70037 | 21-70021 | 21-70004 | 21-70010 | 21-70016 | 21-70027 |



Conical Connection

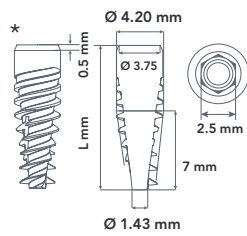


Internal Hex Connection



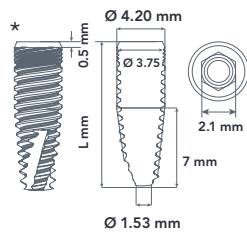
8.0 mm
10.0 mm
11.5 mm
13.0 mm
16.0 mm

| | NP | SP | | | WP |
|--|-----------|-----------|----------|----------|----------|
| | Ø 3.25 mm | Ø 3.75 mm | Ø 4.2 mm | Ø 5.0 mm | Ø 6.0 mm |
| | — | 29-70017 | 29-70006 | 29-70012 | 29-70023 |
| | 29-70018 | 29-70001 | 29-70007 | 29-70013 | 29-70024 |
| | 29-70019 | 29-70002 | 29-70008 | 29-70014 | 29-70025 |
| | 29-70020 | 29-70003 | 29-70009 | 29-70015 | 29-70026 |
| | 29-70021 | 29-70004 | 29-70010 | 29-70016 | 29-70027 |



8.0 mm
10.0 mm
11.5 mm
13.0 mm
16.0 mm

| | NP | SP | | | WP |
|--|------------|------------|------------|------------|------------|
| | Ø 3.25 mm | Ø 3.75 mm | Ø 4.2 mm | Ø 5.0 mm | Ø 6.0 mm |
| | — | 29-70017TC | 29-70006TC | 29-70012TC | 29-70023TC |
| | 29-70018TC | 29-70001TC | 29-70007TC | 29-70013TC | 29-70024TC |
| | 29-70019TC | 29-70002TC | 29-70008TC | 29-70014TC | 29-70025TC |
| | 29-70020TC | 29-70003TC | 29-70009TC | 29-70015TC | 29-70026TC |
| | 29-70021TC | 29-70004TC | 29-70010TC | 29-70016TC | 29-70027TC |







8.0 mm
10.0 mm
11.5 mm
13.0 mm
16.0 mm

| | CP | | | |
|--|-----------|-----------|----------|----------|
| | Ø 3.25 mm | Ø 3.75 mm | Ø 4.2 mm | Ø 5.0 mm |
| | — | 22-70017 | 22-70006 | 22-70012 |
| | 22-70018 | 22-70001 | 22-70007 | 22-70013 |
| | 22-70019 | 22-70002 | 22-70008 | 22-70014 |
| | 22-70020 | 22-70003 | 22-70009 | 22-70015 |
| | 22-70021 | 22-70004 | 22-70010 | 22-70016 |



STALID MEDICAL

www.pal-top-implants.cz

 info@pal-top-implants.cz  (420) 775 068 228  Stalid Medical s.r.o.  Sokolovská 810/304, Vysočany, 190 00 Praha

IČO: 11678607