

Advanced Dental Solutions Ltd.

**PALTOP**



# PALTOP CATALOG

FROM

**OralArts**

DENTAL LABORATORIES HUNTSVILLE, ALABAMA

# Oral Arts Dental Laboratories, Inc.

Headquartered in Huntsville, Alabama, Oral Arts has been a leader in the dental lab industry for over 45 years. With our visionary leadership and advancements in technology, we continue to provide the most advanced dental technology coupled with personal service.

Family owned and operated full service-laboratory

## **5 day turnaround on most products**

Investment in state-of-the-art CAD/CAM technology

**Accepting files from all digital scanners**

Devices and products made in the USA

**Quality, Technology, Service**



# TheCompany

PALTOP Advanced Dental Solutions Ltd. has become a well-established global player in the field of dental implantology.

Leveraging decades of collective experience and industry leadership in precision manufacturing and implant technology, the company manufactures premium cutting-edge implant components. Deeply committed to scientific R&D and heavily invested in state-of-the-art manufacturing equipment, PALTOP is renowned for its continuous introduction of advanced products of the highest quality standards.

**Vast Medical Experience**  
**Premium Cutting-Edge Products**  
Deeply Committed To Science  
**State-of-the-Art Manufacturing**  
Highest Quality Standards  
**Gateway to Digital Technologies**



**Questions or want to place an order?**

Call Lacy Hollaway at 866-537-1034 or email us at [paltop@oralartsdental.com](mailto:paltop@oralartsdental.com)



PALTOP strives to lead the change in modern dentistry. We believe in constant innovation, and won't settle for anything less than excellence. In a world with many choices, PALTOP's premium products and comprehensive digital solutions provides the Dentist with a complete package exceptional to the marketplace. You are invited to explore the technology behind our excellent products and services.

# PALTOP HIGHLIGHTS



Concave  
Design For  
Maximum  
**Esthetics**



Ultra Pure  
**Surface**

**Advanced**  
Biological  
Design



Protective  
& Sterile  
**Packaging**



**Simplicity**  
Less Tools More  
Technology

**Questions or want to place an order?**

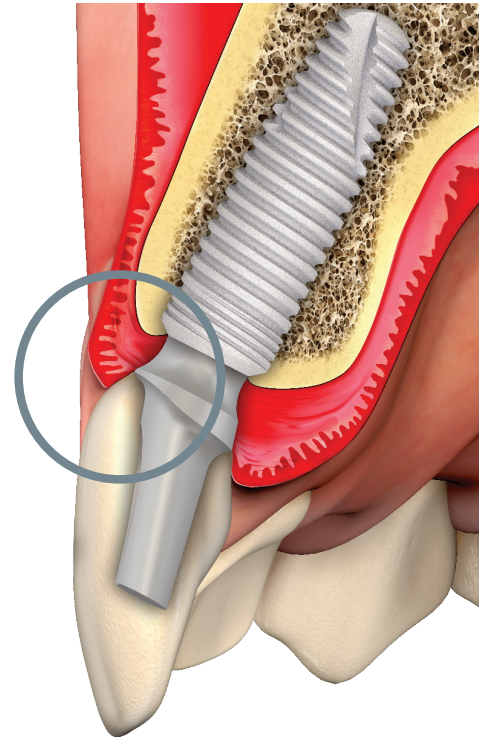
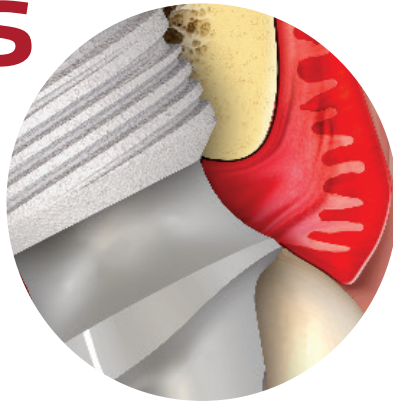
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# Esthetics

## CONCAVE

High Esthetic Line  
Prosthetic Emergence Profile



### High Esthetics

The unique Concave design enables the mucosal tissue to form a dense layer surrounding the transgingival connection. This results in reduced tissue transparency and reduced metal visibility of the abutment.

### Enhanced Gingival Healing

This innovative design creates an optimal emergence profile, enabling replacement of temporary prosthetics with fixed prosthetics without harming the newly formed tissue structure. This reduces the trauma to the implantation site and accelerates the healing process.

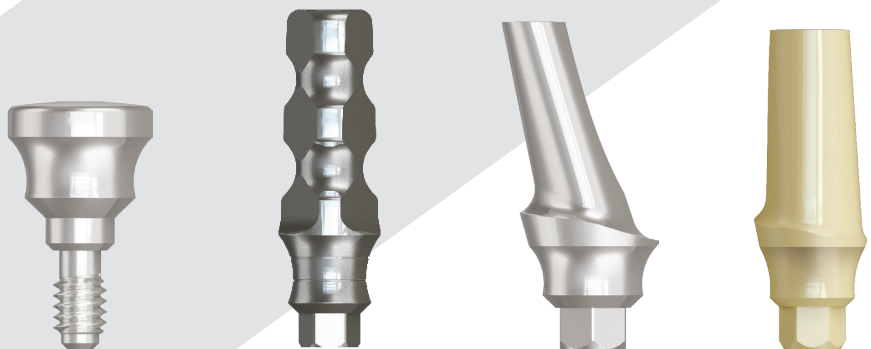


## Concave From Beginning To End

Normally doctors have to perform manual modifications to prosthetic parts during treatment to make them suitable for esthetic cases.

PALTOP offers prefabricated esthetically designed parts suitable for all restorative applications, all teeth positions and for all treatment stages, including the healing period, impression taking, provisional restoration (using Peek) and final restoration, for cemented and screw-retained.

All parts have an identical concave profile allowing the replacement of parts according to the treatment stage without causing additional trauma to the gingiva.





# Surface

## Advanced Surface Treatment

PALTOP's surface treatment achieves the desirable outcome of a highly cleaned and safe implant surface with ideal morphology for accelerated integration, initial stability, and long term bone healing and solid biological fixation of the implant.

### ROUGH SURFACES

PALTOP's meticulous surface morphology is created by two sequential stages: sand blasting, aimed at creating crater shaped microgrooves, followed by acid etching intended to generate nano crater shaped structures.

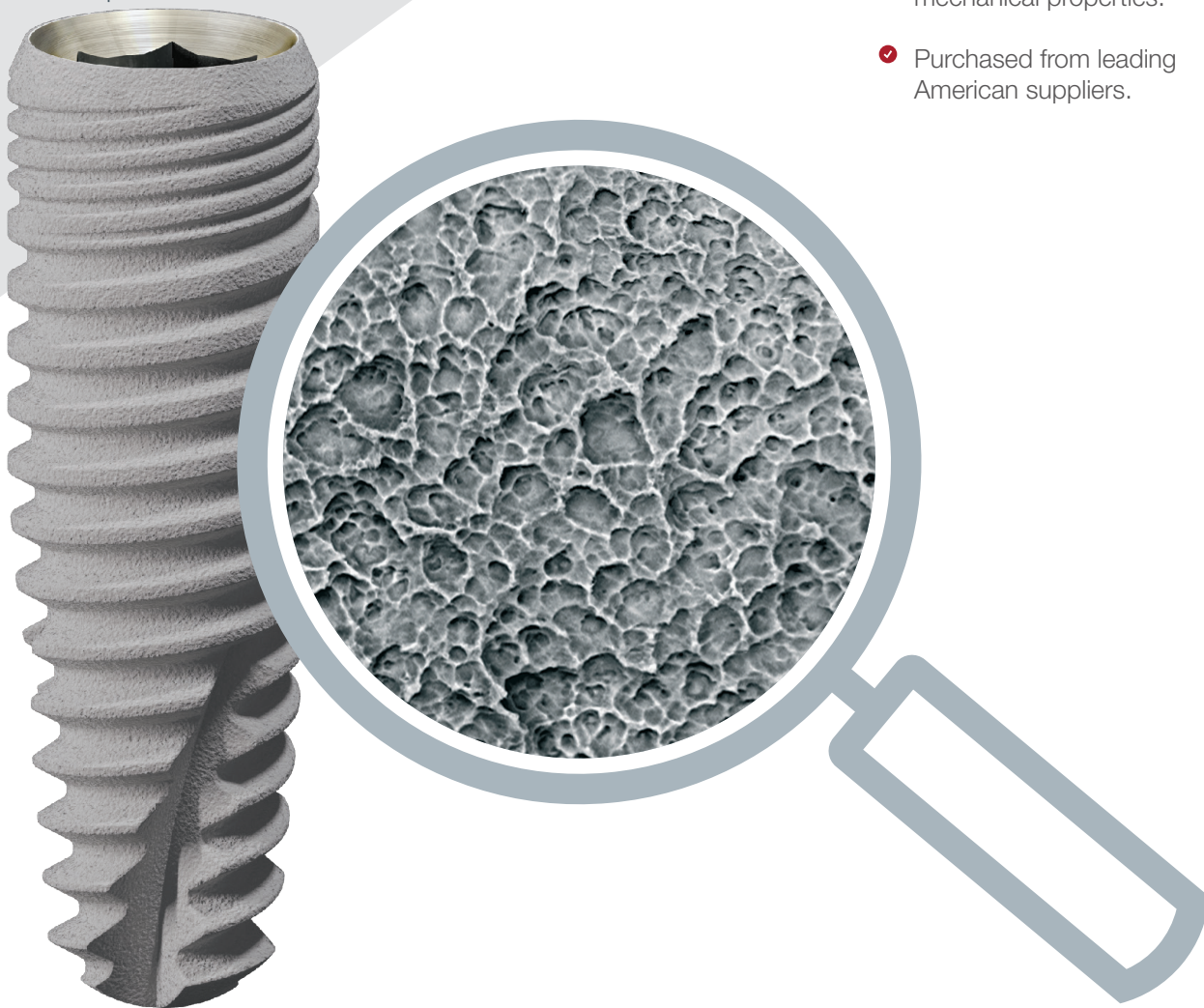
### CLEAN SURFACES

PALTOP's extensive multi-stage cleaning removes undesired residues derived from manufacturing, yielding a contamination-free surface.

### SUPERIOR RAW MATERIAL

PALTOP Dental Implants:

- ✓ Made of biocompatible alloy Ti6Al-4V ELI.
- ✓ Superior to pure titanium in mechanical properties.
- ✓ Purchased from leading American suppliers.



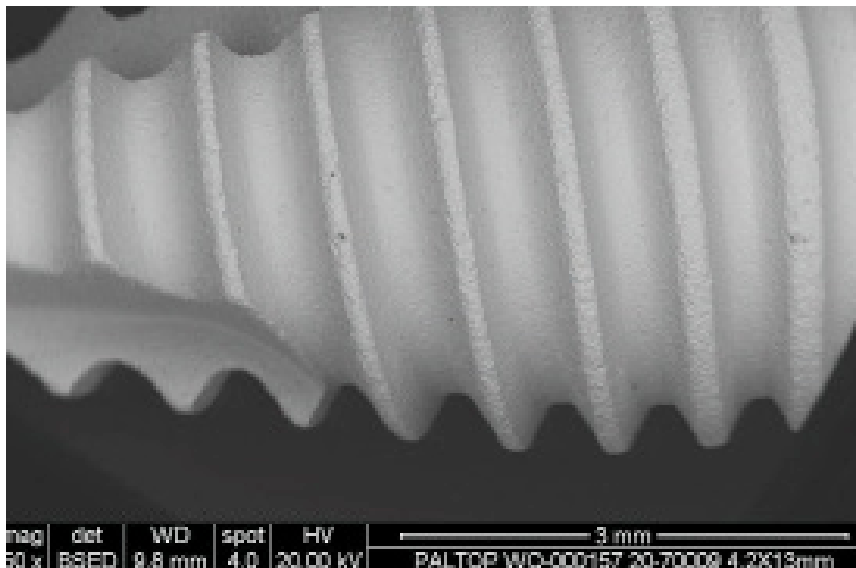
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# Ultra-Clean Surface Technology

The Ultra High Purity Cleaning Process is a comprehensive approach to producing a high purity surface for dental implants.

PALTOP's ultra clean surface technology is based on decades of experience of the company's founders in industrial manufacturing of highly sensitive components for advanced industries: semiconductors, oil & energy, chemical and pharmaceutical, food, etc.

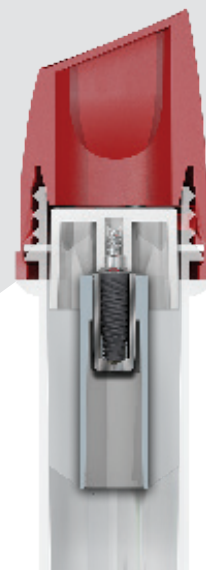


Excerpt of the Final report of the BDIZ EDI implant study 2014/15

“ An Israeli manufacturer (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. ”

Sterile packaging – bedchamber of implants:  
from simple and non-sterile to elaborately protected

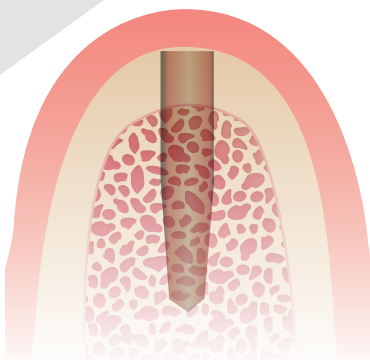
“ The illustration shows a complex packaging design where the implant is inserted in a separate sleeve made of the same material (grade 5 titanium) as the implant itself to reduce the influence of other materials to a minimum. ”



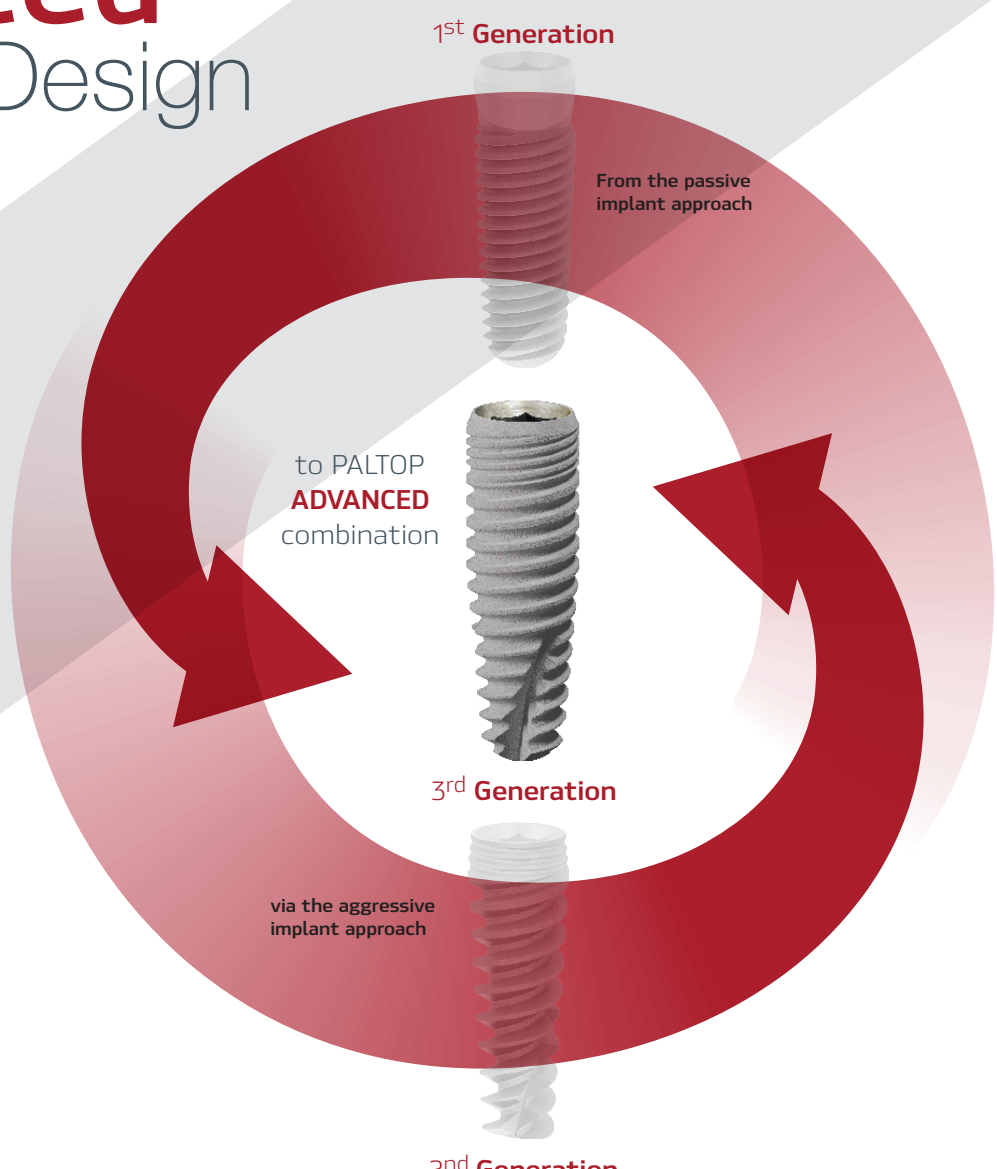
# Advanced Biological Design

PALTOP's 3rd generation implants combine a traditional passive approach with a modern aggressive approach with design variations.

PALTOP's advanced concept is unique in that the coronal portion of the implant has a passive relationship with the bone, while the apical segment of the implant offers a variety of options to provide different levels of bone engagement and stability according to the clinical indication.



**Questions or want to place an order?**



- ✓ Platform switching incorporated in all connections in order to move the abutment-implant interface away from the bone-implant interface
- ✓ Microthreads to reduce bone stress and minimize bone resorption
- ✓ Cylindrical shape promotes longterm osseointegration by enlarging surface area and bone to implant contact
- ✓ The apical portion of the implant has a tapered design to accommodate variable anatomies, as well as to aid in easier insertion of the implant into the bone
- ✓ Accurate osteotomy that meets the implant design
- ✓ Carefully tested drilling protocol that enables insertion torque of 30-50 Ncm

# FIVE IMPLANTS LINES



## ADVANCED CLASSIC

3rd Generation Design where the Traditional passive and the Modern aggressive Approaches Meet

The Advanced Classic Implant incorporates crestal micro-thread for stress distribution, parallel walled midsection for minimum stress to the bone, and a tapered **rounded apex for safe insertion into the bone**

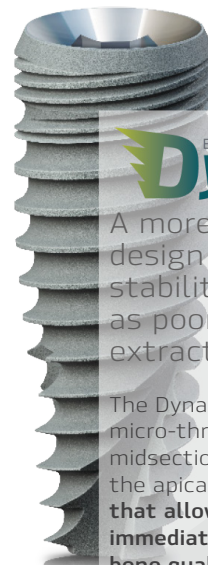


## ADVANCED+

SLIGHTLY ACTIVE APEX

The classic design with a slightly active apex for flexibility during insertion

The Advanced Plus Implant incorporates crestal micro-thread for stress distribution, parallel walled segment for minimum stress to the bone, and **a slightly active apex with certain capabilities for implant adjustment and engagement.**



## ENHANCED STABILITY Dynamic

A more aggressive thread design for increased initial stability in cases such as poor bone quality and extraction sites.

The Dynamic Implant has a crestal micro-thread with a parallel walled midsection, more aggressive thread in the apical section, and **an active apex that allows for indications such as immediate extraction sockets, poor bone quality, and immediate loading.**



## PCA

PALTOP CONICAL ACTIVE

Advanced "+" Design with a conical connection

The PALTOP Conical Implant has the body of the Advanced Plus implant with **a conical connection design for maximum sealing in order to protect against bacterial and endotoxin leakage.**



## DIVA

By PALTOP

Innovative Closed Sinus Lift Technology

A new sinus lift technology, delivers an innovative solution that enables sinus lift implants to be carried out using a simple, easy-to-learn and relatively short procedure, with significantly lower risk of complications and patient discomfort.

# Packaging

## Packaged to Stay Clean

PALTOP dental implants are delivered in uniquely designed protective packaging.

In this superior quality packaging, the implant comes into contact only with titanium.

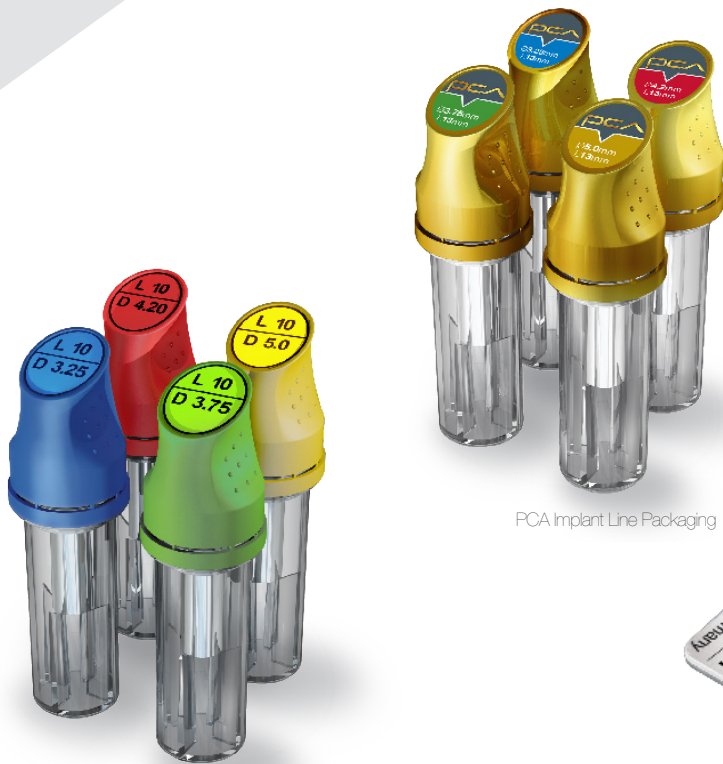
# Packaged for Convenience

- ✓ Delivered sterile and ready for use.
- ✓ Compact for easy of storage in dental clinic.
- ✓ Effective performance for ease of handling and use.



- .1 STYRON 637 Polystyrene
- .2 MARLEX 9006 Polyethylene
- .3 MARLEX 9006 Polyethylene
- .4 Titanium Alloy Ti 6Al4V ELI
- .5 Titanium Alloy Ti 6Al4V ELI

## All Paltop's Components are Delivered Sterile



Advanced Implant Line Packaging

PCA Implant Line Packaging



Prosthetic Components Packaging

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# Simplicity Chain Of Simplicity

In the world of rapidly advancing technologies, it becomes increasingly harder to maintain simple procedures. PALTOP invests great time and effort to make procedures as simple as possible, saving time and money for the dentist.

## Drilling Procedure

PALTOP's surgical kit is optimally organized for ease-of-use and functionality. Color-coded pathways lead the doctor through the surgical protocol.

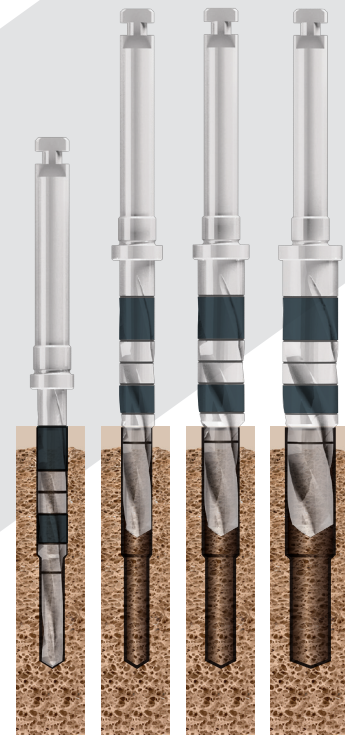


## Step Drills

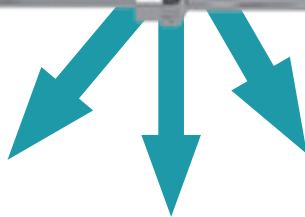
PALTOP Step Drills, are uniquely designed in such a manner so that each drill leads the following drill for fast and accurate drilling.

PALTOP presents specially designed step drills with dimensions and shapes that best match the implant, with an optimized cutting edge to achieve the best possible drilling. The special step drill mechanism reduces vibrations and shaking and serves as a pilot surgical guide.

PALTOP drills have a special matte finish that does not reflect light, enabling clear visibility of the markings on the drill.



## Hex Key



## Tool Versatility

Every tool can be used by hand, motor (contra angle) and ratchet. The tools enable conversion from one application to the other. All tools are designed with precision to assure their expected performance in all 3 tasks.



Ratchet

Hand

Motor

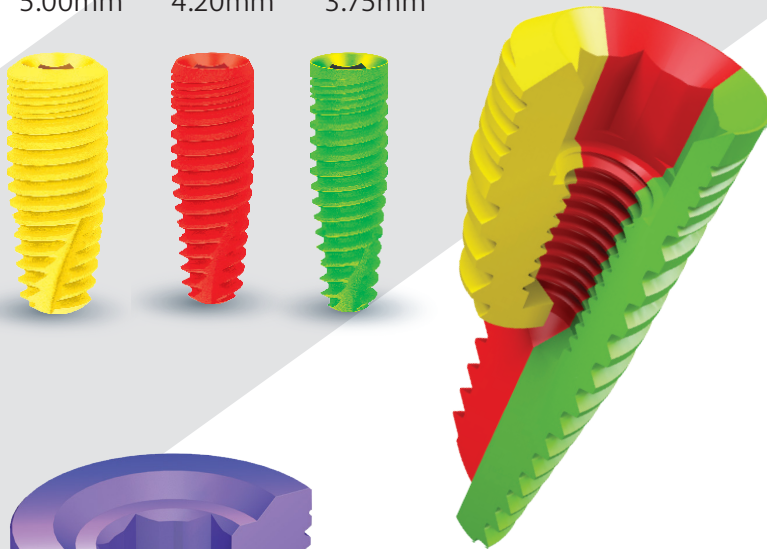


# Standard Platform

The PALTOP Advanced Classic, Advanced Plus and Dynamic implant lines possess a well-established internal hexagonal connection.

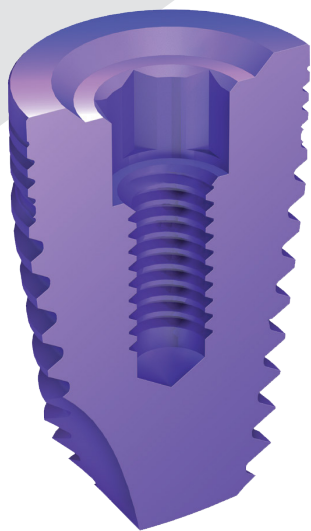
The PALTOP Standard Platform with a 2.5mm hexagonal connection covers 3.75mm, 4.2mm and 5.0mm implant diameters. These 3 primary implant diameters utilize one line of prosthetic components.

5.00mm    4.20mm    3.75mm



# Narrow Platform

The PALTOP Narrow Platform with a 2.0mm hexagonal connection and a 3.25mm outer implant diameter is dedicated to treatment of narrow ridges. The PALTOP Narrow Platform has its matching narrow prosthetic line.



6.0 mm



3.25 mm



# Wide Platform

The PALTOP Wide Platform 6.0mm implant has an outer diameter of 6.0mm and a 4.5mm hexagonal connection. It is designed for restoration of the posterior regions and molar extraction sites. The PALTOP Wide Platform has a matching wide prosthetic line.

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**INTERNAL HEXAGONAL CONNECTION**

**MICRO THREADS** to reduce bone stresses and minimize bone resorption

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

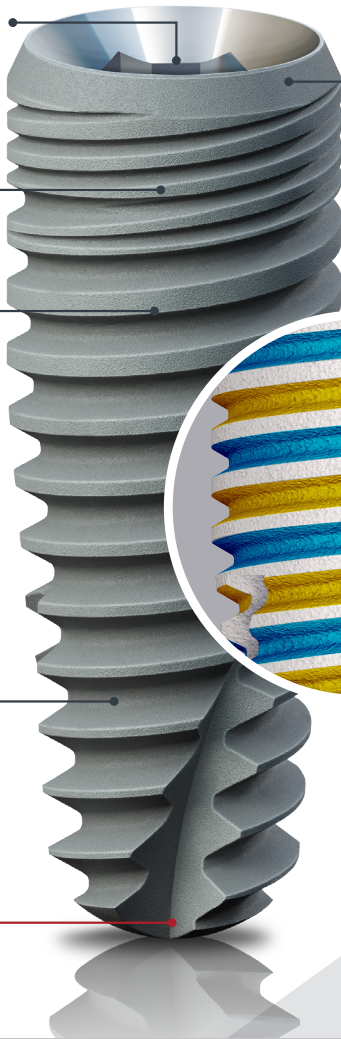
**INITIAL STABILITY**  
7mm tapered progressive thread aimed to enhance initial stability by creating bone compression

**SAFE INSERTION**  
Passive apex enables safe implant insertion without damage to surrounding bone

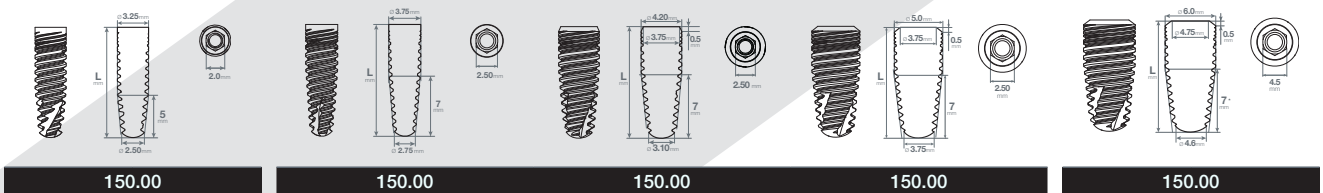
**HIGH ESTHETICS**

Platform shifting enables high esthetics via "soft tissue management". It also reduces the amount of stress transferred from the abutment to the bone and helps to prevent bone loss due to high mechanical pressure

2 lead thread with optimal pitch of 0.8mm for fast implant insertion with better stability



NARROW PLATFORM		STANDARD PLATFORM				WIDE PLATFORM			
3.25mm D		3.75mm D		4.2mm D		5.0mm D		6.0mm D	
				6.0mm	*20-70005	6.0mm	*20-70011	6.0mm	*20-70022
		8.0mm	20-70017	8.0mm	20-70006	8.0mm	20-70012	8.0mm	20-70023
10.0mm	20-70018	10.0mm	20-70001	10.0mm	20-70007	10.0mm	20-70013	10.0mm	20-70024
11.5mm	20-70019	11.5mm	20-70002	11.5mm	20-70008	11.5mm	20-70014	11.5mm	20-70025
13.0mm	20-70020	13.0mm	20-70003	13.0mm	20-70009	13.0mm	20-70015	13.0mm	20-70026
16.0mm	20-70021	16.0mm	20-70004	16.0mm	20-70010	16.0mm	20-70016	16.0mm	20-70027





IMPLANTS

**ADVANCED+**



SLIGHTLY ACTIVE APEX



INTERNAL HEXAGONAL CONNECTION

HIGH ESTHETICS

Platform shifting enables high esthetics via "soft tissue management". It also reduces the amount of stress transferred from the abutment to the bone and helps to prevent bone loss due to high mechanical pressure

MICRO THREADS to reduce bone stresses and minimize bone resorption

SUPPORTING OSSEOINTEGRATION

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

INITIAL STABILITY

7mm tapered progressive thread aimed to enhance initial stability by creating bone compression

**+ SLIGHTLY ACTIVE APEX**

Allows easier insertion to the correct implant depth

2 lead thread with optimal pitch of 0.8mm for fast implant insertion with better stability

NARROW PLATFORM		STANDARD PLATFORM						WIDE PLATFORM	
3.25mm D		3.75mm D		4.2mm D		5.0mm D		6.0mm D	
				6.0mm	*20-70005P	6.0mm	*20-70011P	6.0mm	*20-70022P
		8.0mm	20-70017P	8.0mm	20-70006P	8.0mm	20-70012P	8.0mm	20-70023P
10.0mm	20-70018P	10.0mm	20-70001P	10.0mm	20-70007P	10.0mm	20-70013P	10.0mm	20-70024P
11.5mm	20-70019P	11.5mm	20-70002P	11.5mm	20-70008P	11.5mm	20-70014P	11.5mm	20-70025P
13.0mm	20-70020P	13.0mm	20-70003P	13.0mm	20-70009P	13.0mm	20-70015P	13.0mm	20-70026P
16.0mm	20-70021P	16.0mm	20-70004P	16.0mm	20-70010P	16.0mm	20-70016P	16.0mm	20-70027P

150.00	150.00	150.00	150.00	150.00

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# IMPLANTS

# ENHANCED STABILITY *Dynamic*



**INTERNAL HEXAGONAL CONNECTION**

**MICRO THREADS** to reduce bone stresses and minimize bone resorption

**EASY INSERTION**  
Double lead thread with a reverse buttress profile with optimal 0.8mm thread pitch for fast implant insertion with better stability

**AGGRESSIVE APICAL THREADS**  
allow for more aggressive bone engagement for indications such as immediate extraction sockets, poor bone quality, and immediate loading

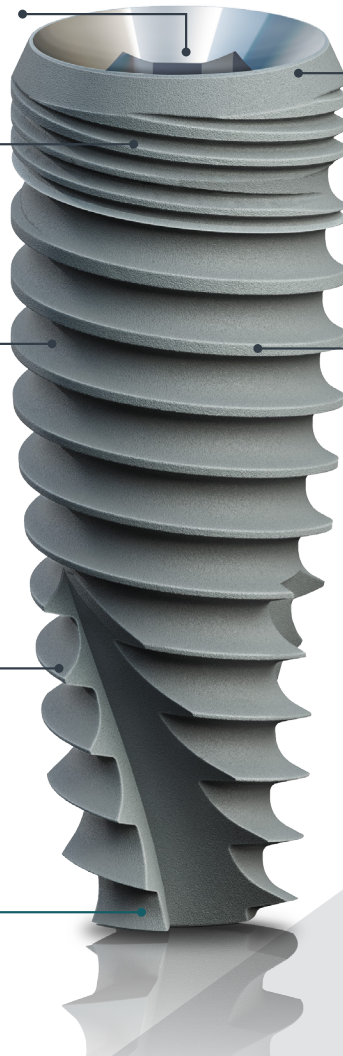
**CUTTING APEX** for implant adjustment and engagement

**HIGH ESTHETICS**

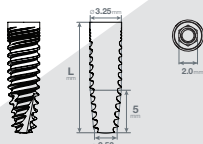
Platform shifting enables high esthetics via "soft tissue management". It also reduces the amount of stress transferred from the abutment to the bone and helps to prevent bone loss due to high mechanical pressure

**SUPPORTING OSSEointegration**

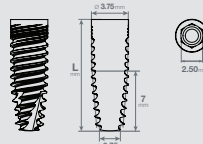
Cylindrical shape promotes long-term osseointegration by enlarging surface area and bone to implant contact



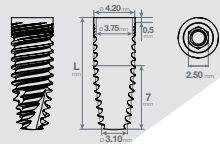
NARROW PLATFORM		STANDARD PLATFORM						WIDE PLATFORM	
3.25mm D		3.75mm D		4.2mm D		5.0mm D		6.0mm D	
		8.0mm	21-70017	8.0mm	21-70006	8.0mm	21-70012	8.0mm	21-70023
10.0mm	21-70018	10.0mm	21-70001	10.0mm	21-70007	10.0mm	21-70013	10.0mm	21-70024
11.5mm	21-70019	11.5mm	21-70002	11.5mm	21-70008	11.5mm	21-70014	11.5mm	21-70025
13.0mm	21-70020	13.0mm	21-70003	13.0mm	21-70009	13.0mm	21-70015	13.0mm	21-70026
16.0mm	21-70021	16.0mm	21-70004	16.0mm	21-70010	16.0mm	21-70016	16.0mm	21-70027



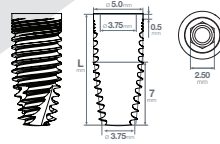
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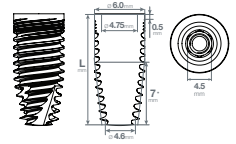
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# CONCAVE HEALING CAPS

Healing Caps are positioned at the rehabilitation site for a healing period of 6-12 weeks to help create the desired emergence profile of the standard and anatomic abutments. This prepares the site for abutment placement.

## NARROW PLATFORM

	1mm	2mm	3mm	4mm	5mm	6mm	7mm
<p>Ø 4.4 mm</p> <p>1mm 2mm 3mm 4mm 5mm 6mm 7mm</p> <p><b>Ø 4.0 mm</b></p>	<p>55-70009</p> <p>\$40</p>	<p>55-70010</p> <p>\$40</p>	<p>55-70011</p> <p>\$40</p>	<p>55-70014</p> <p>\$40</p>	<p>55-70015</p> <p>\$40</p>	<p>55-70018</p> <p>\$40</p>	<p>55-70019</p> <p>\$40</p>

## STANDARD PLATFORM

	1mm	2mm	3mm	4mm	5mm	6mm	7mm
<p>Ø 4.9 / Ø 6.0 mm</p> <p>1mm 2mm 3mm 4mm 5mm 6mm 7mm</p> <p><b>Ø 4.5 mm</b></p> <p><b>Ø 5.5 mm</b></p>	<p>55-70003</p> <p>\$40</p>	<p>55-70001</p> <p>\$40</p>	<p>55-70004</p> <p>\$40</p>	<p>55-70002</p> <p>\$40</p>	<p>55-70013</p> <p>\$40</p>	<p>55-70020</p> <p>\$40</p>	<p>55-70021</p> <p>\$40</p>
	<p>55-70005</p> <p>\$40</p>	<p>55-70006</p> <p>\$40</p>	<p>55-70007</p> <p>\$40</p>	<p>55-70008</p> <p>\$40</p>	<p>55-70016</p> <p>\$40</p>		

## WIDE PLATFORM

	2mm	4mm	6mm
<p>Ø 6.5 mm</p> <p>2mm 4mm 6mm</p> <p><b>Ø 6.5 mm</b></p>	<p>55-70022</p> <p>\$40</p>	<p>55-70023</p> <p>\$40</p>	<p>55-70024</p> <p>\$40</p>

# STRAIGHT HEALING CAPS

Healing Caps are positioned at the rehabilitation site for a healing period of 6-12 weeks to help create the desired emergence profile of the standard and anatomic abutments. This prepares the site for abutment placement.

## NARROW PLATFORM

	2mm	3mm	5mm
<p>Ø 4.0 mm</p> <p>L</p> <p><b>Ø 4.0 mm</b></p>	<p>55-70028</p> <p>\$40</p>	<p>55-70029</p> <p>\$40</p>	<p>55-70030</p> <p>\$40</p>

## STANDARD PLATFORM

	2mm	3mm	5mm
<p>Ø 4.5 mm</p> <p>L</p> <p><b>Ø 4.5 mm</b></p>	<p>55-70025</p> <p>\$40</p>	<p>55-70026</p> <p>\$40</p>	<p>55-70027</p> <p>\$40</p>

## WIDE PLATFORM

	2mm	4mm	6mm
<p>Ø 6.5 mm</p> <p>L</p> <p><b>Ø 6.5 mm</b></p>	<p>55-70031</p> <p>\$40</p>	<p>55-70032</p> <p>\$40</p>	<p>55-70033</p> <p>\$40</p>

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# IMPRESSION COPINGS





PALTOP impression coping components fit the concave profile and match the complete PALTOP prosthetic line.

The PALTOP impression coping is attached to the implant, and then a mold or impression is taken of the patient's mouth to accurately record the position and orientation of the implant within the mouth. The PALTOP Analog is used to assist and create a plaster model or analog of the mouth and/or implant site and provides the information needed to fabricate the prosthetic replacement tooth and any required intermediate prosthetic components. Scan abutments are intended for digital impression using an intra-oral scanner.





## NARROW PLATFORM

IMPRESSION COPINGS			
Open Tray for Ratchet	Closed Tray	Scan Abutment	Analog
			
56-70016	56-70017	30-70102	56-70015
\$41	\$41	\$80	\$40

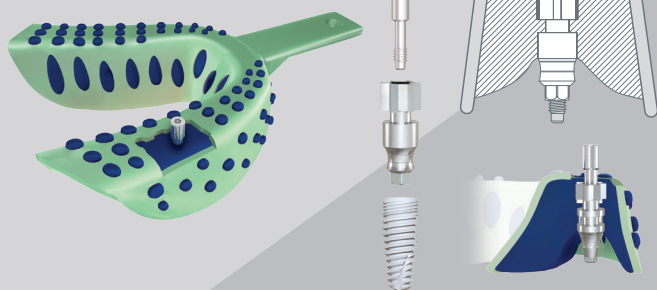
## WIDE PLATFORM

IMPRESSION COPINGS			
Open Tray for Ratchet	Closed Tray	Scan Abutment	Analog
			
56-70029	56-70030	30-70106	56-70028
\$41	\$41	\$80	\$40

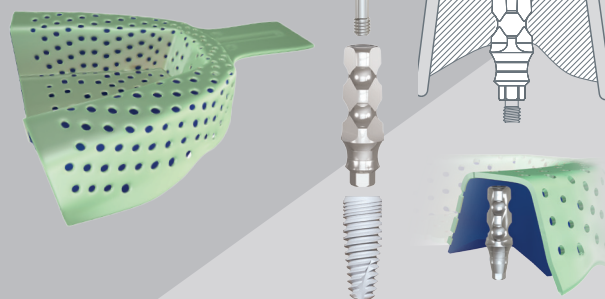
## STANDARD PLATFORM

IMPRESSION COPINGS			
Open Tray for Ratchet	Closed Tray	Scan Abutment	Analog
			
56-70005	56-70006	30-70101	56-70002
\$41	\$41	\$80	\$40

### OPEN TRAY PROCEDURE



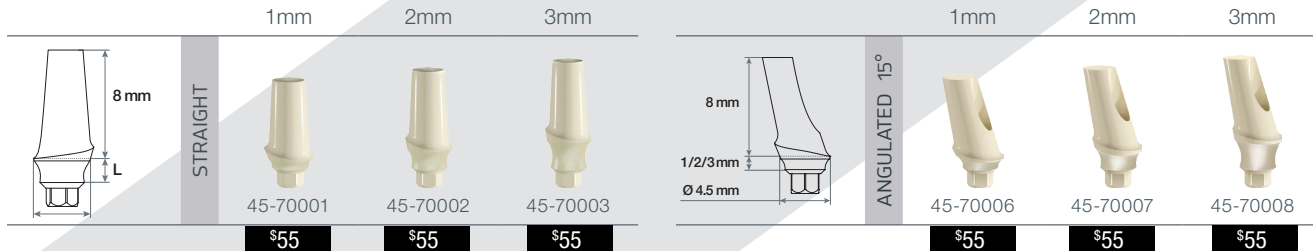
### CLOSED TRAY PROCEDURE



# TEMPORARY PEEK ABUTMENTS

PEEK components are used for short term rehabilitation. PALTOP's expanded product line of Plastic Temporary Abutments is fabricated from an esthetic tooth-colored polymer which is easily modified and works well with common temporary materials including acrylic and composite. The PEEK abutments' polymer is one of the most chemically resistant polymers available and exhibits a superior combination of strength, stiffness and toughness making it ideally suited for medicaldevice applications. PALTOP's PEEK abutments present a simple and esthetic solution for soft tissue management.

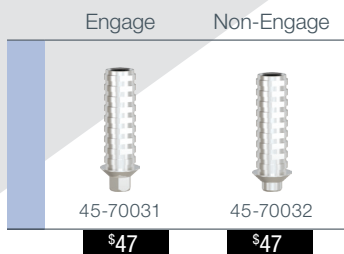
## STANDARD PLATFORM



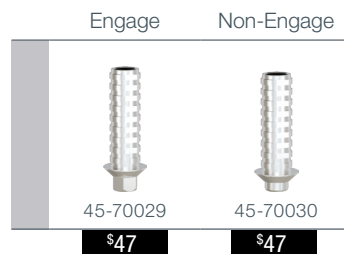
# TEMPORARY TITANIUM ABUTMENTS

A new titanium temporary abutment for screw-retained restorations is now available in engage and non-engage connections for the Advanced SP and NP implants.

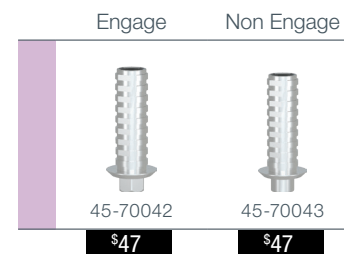
## NARROW PLATFORM



## STANDARD PLATFORM



## WIDE PLATFORM

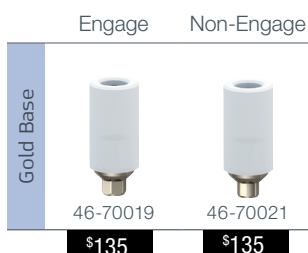


# GOLD BASE CASTABLE ABUTMENTS.

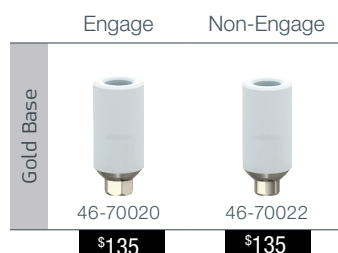
Paltop's Gold Base Castable Abutments may be used for casting individual abutments and screw-retained crowns/ bridges directly to the implant connection.

These abutment assemblies consist of a gold alloy interface implant connection for high accuracy and excellent sealing, and a burn-out plastic cylinder for casting. Paltop offers Gold Base Castable Abutments for Advanced Standard Platform and Advanced Narrow Platform. For each Platform, an Engage and a Non-Engage connection is available for multiple implant bridges.

## NARROW PLATFORM



## STANDARD PLATFORM



**Questions or want to place an order?**

Call Lacy Hollaway at 866-537-1034 or email us at [paltop@oralartsdental.com](mailto:paltop@oralartsdental.com)

# STRAIGHT TITANIUM ABUTMENTS

The Straight Abutment is intended for placing a tooth replacement both on the anterior and posterior locations. The Straight Abutments are symmetric in shape and allow modification by the dental technician to achieve accurate fitting to the prosthesis. The anatomic abutments resemble the natural gingival margin of a tooth and include a prepared anatomic margin (shoulder). PALTOP's anatomic abutments allow for better achievement of individual esthetics and easier adaptation for fitting by the dental technician. Due to their special shape, the anatomic abutments are advantageous when used for anterior teeth.

## NARROW PLATFORM

1mm				2mm				3mm			
Concave Abutment Ø 4.0 mm				Anatomic Abutment Ø 4.0 mm				Anatomic Concave Abutments Ø 4.0 mm			
40-70024				40-70025				40-70026			
\$85				\$85				\$85			
Ø4.0 mm				Ø4.0 mm				Ø4.0 mm			

## STANDARD PLATFORM

1mm					2mm					3mm					4mm				
Concave Abutment Ø 4.5 mm					Anatomic Abutment Ø 4.5 mm					Concave Abutment Ø 5.5 mm					Anatomic Concave Abutment Ø 4.5 mm				
40-70001					40-70002					40-70003					40-70012				
\$85					\$85					\$85					\$85				
Ø4.5 mm					Ø4.5 mm					Ø6.5 mm					Ø4.5 mm				

1mm			2mm			3mm		
Concave Abutment Ø 5.5 mm			Anatomic Concave Abutment Ø 4.5 mm			Slim Knife Edge Straight		
40-70014			40-70015			40-70016		
\$85			\$85			\$85		
Ø6.5 mm			Ø4.5 mm			Ø3.5 mm		

1mm			2mm			3mm		
Anatomic Concave Abutments Ø 6.5 mm			Anatomic Concave Abutments Ø 6.5 mm			Straight		
40-70041			40-70042			40-70043		
\$95			\$95			\$95		
Ø4.5 mm			Ø4.5 mm			Ø4.5 mm		

1mm				2mm				3mm			
Anatomic Concave Abutments Ø 6.5 mm				Anatomic Concave Abutments Ø 6.5 mm				Straight			
40-70013				40-70013				40-70013			
\$80				\$80				\$80			
Ø6.5 mm				Ø6.5 mm				Ø6.5 mm			

## WIDE PLATFORM

1mm					2mm					3mm					4mm				
Anatomic Abutment Ø 6.5 mm					Anatomic Concave Abutments Ø 6.5 mm					Anatomic Abutment Ø 6.5 mm					Anatomic Concave Abutments Ø 6.5 mm				
40-70124					40-70125					40-70126					40-70127				
\$85					\$85					\$85					\$85				
Ø8.5 mm					Ø6.5 mm					Ø6.5 mm					Ø6.5 mm				

# ANGULATED TITANIUM ABUTMENTS

PALTOP offers angulated abutments: 15° or 25° for standard platform and 15° or 20° for narrow platform, for accurate accommodation to the rehabilitation position. Additional modification of the abutment may be done for accurate fitting.

## NARROW PLATFORM

		1mm	2mm	3mm		1mm	2mm	3mm
	15°	Anatomic Angulated Abutments			Anatomic Concave Angulated Abutments			
		\$95	\$95	\$95		\$95	\$95	\$95
		1mm	2mm	3mm		1mm	2mm	3mm
	20°	Anatomic Angulated Abutments			Anatomic Concave Angulated Abutments			
		\$95	\$95	\$95		\$95	\$95	\$95

## STANDARD PLATFORM

		1mm	2mm	3mm		1mm	2mm	3mm	4mm
	15°	Anatomic Angulated Abutments			Anatomic Concave Angulated Abutments				
		\$85	\$85	\$85		\$85	\$85	\$85	\$85
		1mm	2mm	3mm		1mm	2mm	3mm	
	25°	Anatomic Angulated Abutments			Anatomic Concave Angulated Abutments				
		\$85	\$85	\$85		\$85	\$85	\$85	
	Knife Edge	15°		25°					
			\$80	\$80					

Questions or want to place an order?

Call Lacy Hollaway at 866-537-1034 or email us at [paltop@oralartsdental.com](mailto:paltop@oralartsdental.com)

# MULTI-UNIT

The PALTOP Multi-Unit system provides a wide range of solutions for screw-retained restorations.

PALTOP offers a variety of gingival heights for the Multi-Unit abutment. Straight and angulated Multi-Unit abutments are available for different implant angulation positions. The Multi-Unit abutment is available for both narrow and standard implant platforms.

The PALTOP angulated Multi-Unit abutment is one of the only systems that allows torquing the restoration to 30 Ncm, which ensures the stability of the restoration.

Platform	Abutment Type	Width	Part Number	Price	
NARROW PLATFORM	STRAIGHT	1mm	42-70011	\$95	
		2mm	42-70012	\$95	
		3mm	42-70013	\$95	
		4mm	42-70014	\$95	
		5mm	42-70015	\$95	
	ANGULATED 17°	3mm	42-70016	\$155	
		4.5mm	42-70017		
	STANDARD PLATFORM	STRAIGHT	1mm	42-70001	\$95
			2mm	42-70002	\$95
			3mm	42-70003	\$95
4mm			42-70004	\$95	
5mm			42-70005	\$95	
ANGULATED 17°		2.5mm	42-70006	\$155	
		4mm	42-70007		
ANGULATED 30°		3.5mm	42-70008	\$155	
		4.5mm	42-70009		
WIDE PLATFORM		STRAIGHT	1mm	42-70023	\$95
	2mm		42-70024	\$95	
	3mm		42-70025	\$95	
	4mm		42-70026	\$95	
	ANGULATED 17°	3mm	42-70027	\$155	

Product	Part Number	Price
Closed Tray	56-72003	\$41
Open Tray	56-72002	\$41
Scan Abutment	30-70103	\$80
Analog	56-72001	\$40
Healing Cap	55-72010	\$45
Temporary Titanium	42-70020	\$95
Castable	42-70021	\$95
Titanium Interface Coping	42-70022	\$80

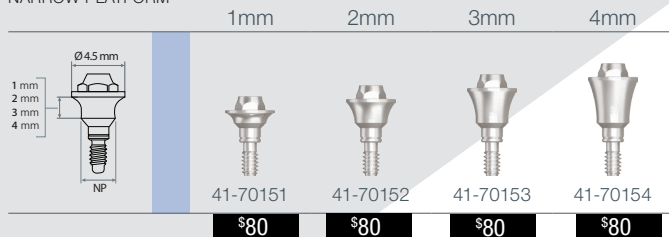
# SINGLE-UNIT

A unique system for a single implant tooth restoration.

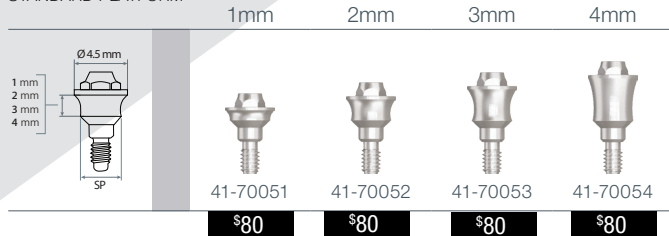
## System Benefits

- The single-unit abutment is connected to the implant immediately after implant placement or implant uncovering. The single-unit abutment's size is chosen according to the transgingival height. Once connected, the single-unit abutment and the implant function as one integrated unit (One Abutment - One Time)
- All the prosthetic steps are carried out at tissue level. This is a significant advantage both to patient and dentist.
- The concave profile of the single-unit abutment enables maturation of the soft tissue in a thicker and stable form.
- As the single-unit abutment is a solid piece (no screw hole), it eliminates penetration of any bacteria and other contaminants to the implant-abutment interface.
- The crown can be either screw-retained to the single-unit abutment or cemented over an abutment that is screw-retained to the single-unit.

### NARROW PLATFORM



### STANDARD PLATFORM



Questions or want to place an order?

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# TITANIUM BASE

A titanium base for individual abutments or screw-retained crown/bridge with 1mm and 3mm tissue height is now available.

This titanium base has a unique concave design enabling the soft tissue to form a dense layer surrounding the trans-gingival interconnection.

It is now available in engage and non-engage connections.

PALTOP offers a Titanium base with a precise titanium implant connection and a mount for attaching materials such as zirconia.

## NARROW PLATFORM

	Engage 1mm	Non-Engage 1mm	Engage 3mm	Non-Engage 3mm
	40-70067	40-70080	40-70095	40-70097
	\$72	\$72	\$72	\$72

## WIDE PLATFORM

	Engage 1mm	Non Engage 1mm
	40-70128	40-70129
	\$72	\$72

## STANDARD PLATFORM

	Engage 1mm	Non-Engage 1mm	Engage 3mm	Non-Engage 3mm
	40-70066	40-70079	40-70094	40-70096
	\$72	\$72	\$72	\$72

# SCREWS

NARROW PLATFORM				STANDARD PLATFORM					MULTI-UNIT		
Open Tray		Closed Tray	Abutment Screw	Open Tray			Closed Tray	Abutment Screw	Screw	Open Tray Screw	Closed Tray Screw
Impression Coping Slim Screw	Impression Coping Screw for Ratchet	Impression Coping Screw		Impression Coping Slim Screw Short	Impression Coping Slim Screw	Impression Coping Screw for Ratchet	Impression Coping Screw				





# IMPLANT SYSTEM

## PALTOP CONICAL ACTIVE



The PALTOP Conical Implant System has all the advantages of the PALTOP Advanced Implant System and more. The development of the PALTOP Conical Implant is a result of our 5 years of success with the PALTOP Advanced Dental Implant combined with the introduction of a unique conical connection design. PALTOP's unique geometrical implant body design and thread profile increases initial stability and promotes bone healing.

## Important Factors in the Design of a Conical Implant Abutment Connection

### 1. Retention:

The closer the tolerance between the implant angle ( $\alpha$ ) to the abutment angle ( $\beta$ ) the greater the mechanical retention for eliminating micro movement.

### 2. Sealing against bacterial endotoxin leakage:

The larger the angle ( $\alpha$ ), the better the seal. Group A companies:  $8 \leq \alpha \leq 16$  - good friction (retention). Group B companies:  $16 \leq \alpha \leq 30$  - good sealing

### 3. Material specifications:

Superior material mechanical properties enable engineering possibilities to design a better seal.

### 4. One platform:

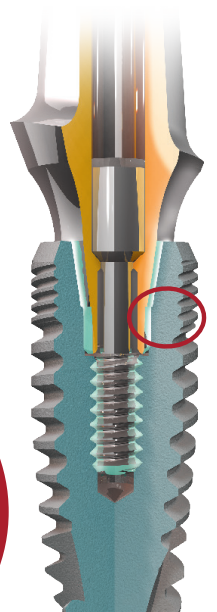
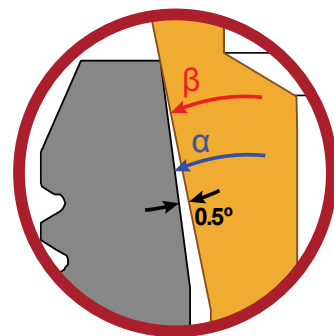
Minimizes the number of prosthetic connections while providing a variety of prosthetic options.



## The PALTOP Advantage

Through an understanding of biology, engineering, materials science and practical clinical usage, the PALTOP Conical Connection was developed.

- ✓ The PALTOP implant angle ( $\alpha$ ) and the abutment angle ( $\beta$ ) are produced in an accuracy of  $0.5^\circ$  to achieve excellent retention and zero micro movement.
- ✓ The PALTOP  $22^\circ$  conical angle creates an optimal seal against bacterial endotoxin leakage, while maintaining excellent retention.
- ✓ The implant and abutment material is Titanium Alloy Grade 5 which has superior mechanical properties to pure titanium.

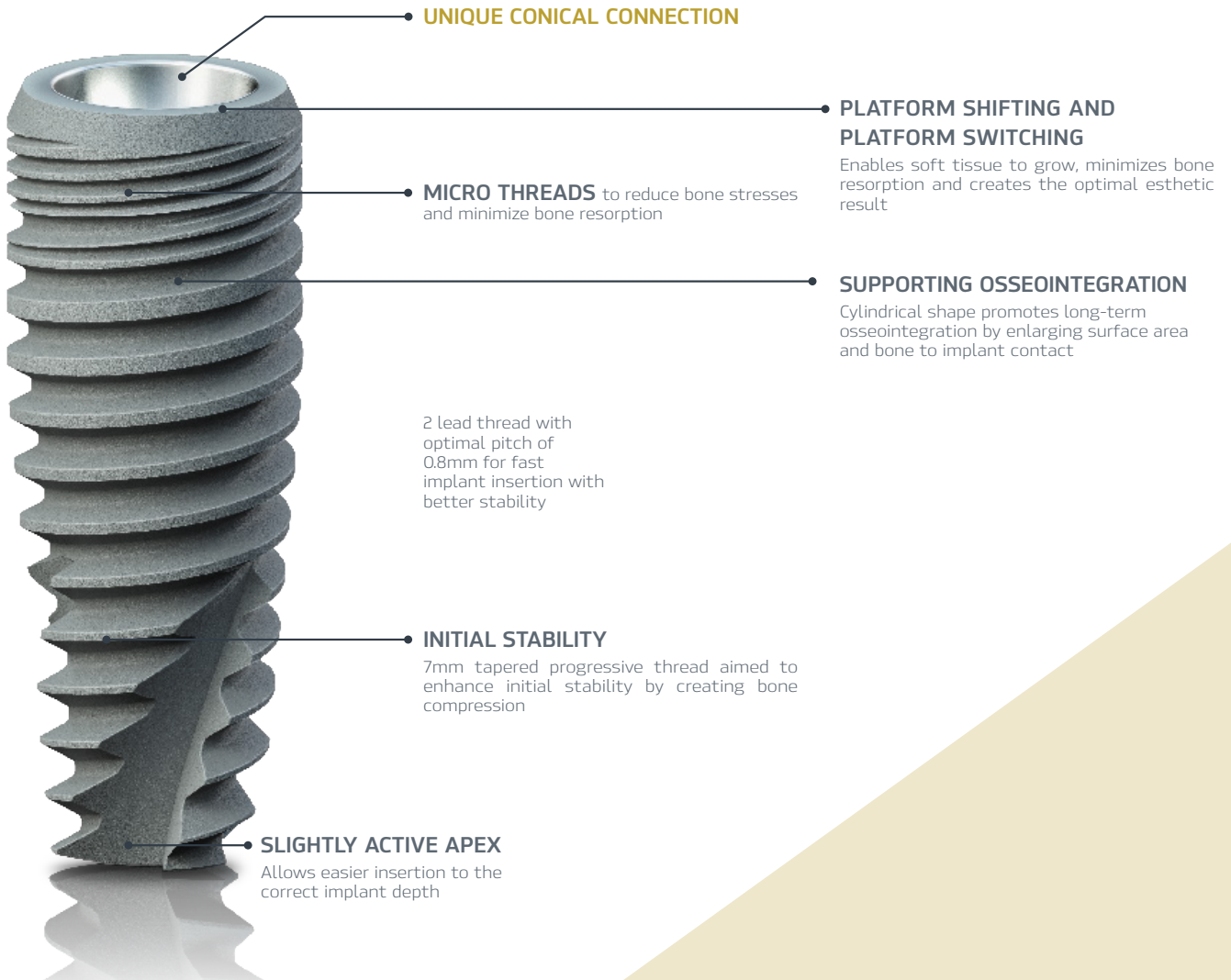


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# PCA

PALTOP CONICAL ACTIVE

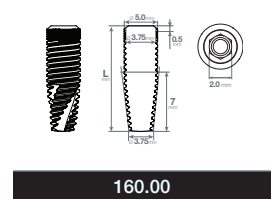
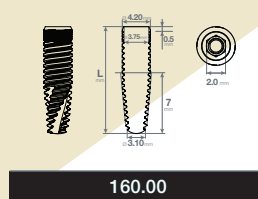
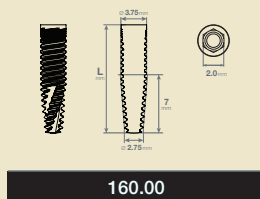
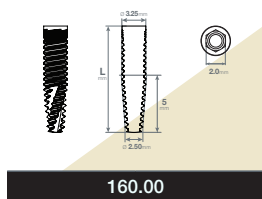


3.25mm D	
10.0mm	22-70018
11.5mm	22-70019
13.0mm	22-70020
16.0mm	22-70021

3.75mm D	
8.0mm	22-70017
10.0mm	22-70001
11.5mm	22-70002
13.0mm	22-70003
16.0mm	22-70004

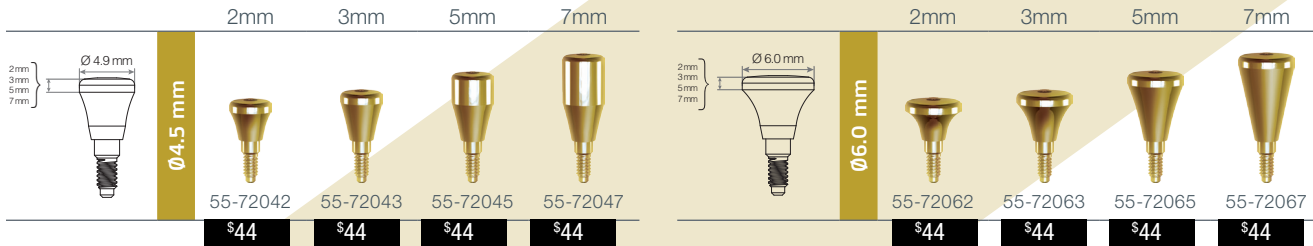
4.2mm D	
6.0mm	22-70005
8.0mm	22-70006
10.0mm	22-70007
11.5mm	22-70008
13.0mm	22-70009
16.0mm	22-70010

5.0mm D	
6.0mm	22-70011
8.0mm	22-70012
10.0mm	22-70013
11.5mm	22-70014
13.0mm	22-70015
16.0mm	22-70016



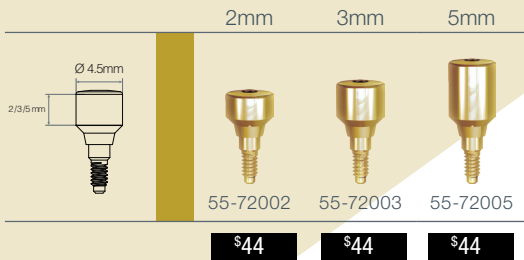
# CONCAVE HEALING CAPS

Healing Caps are positioned at the rehabilitation site for a healing period of 6-12 weeks to help create the desired emergence profile of standard and anatomic abutments. This prepares the site for abutment placement

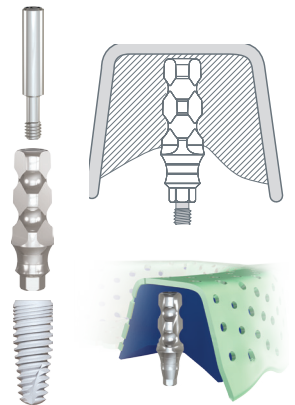
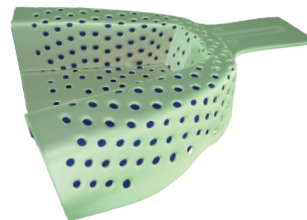


# STRAIGHT HEALING CAPS

PALTOP Straight Healing caps are positioned at the top of the implant for fixed removable denture cases in order to help creating the emergence profile of the Locator Abutment.

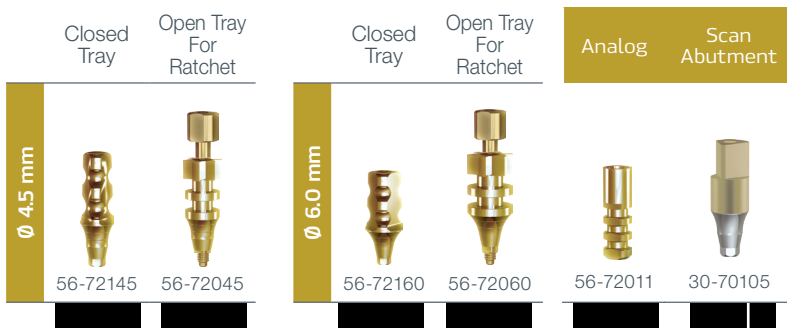


CLOSED TRAY PROCEDURE

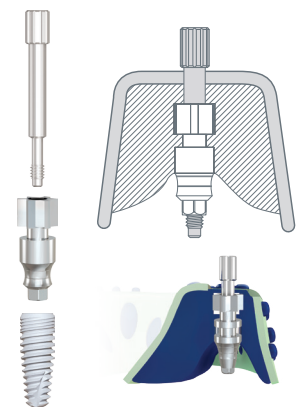
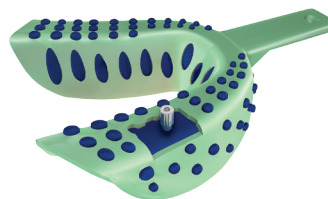


# IMPRESSION COPING

PALTOP impression coping components fit the concave profile and match the complete PALTOP prosthetic line.



OPEN TRAY PROCEDURE



**Questions or want to place an order?**

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# STRAIGHT TITANIUM ABUTMENTS

## ABUTMENTS

The Straight Abutment is intended for placing a tooth replacement both on the anterior and posterior locations. The Straight Abutments are symmetric in shape and allow modification by the dental technician to achieve accurate fitting to the prosthesis. The anatomic abutments resemble the natural gingival margin of a tooth and include a prepared anatomic margin (shoulder). PALTOP's anatomic abutments allow for better achievement of individual esthetics and easier adaptation for fitting by the dental technician. Due to their special shape, the anatomic abutments are advantageous when used for anterior teeth.

	1mm	2mm	3mm	4mm	5mm	
<p>6.5 mm L Ø 4.5 mm</p>						<p>6.5 mm Ø 3.80 mm</p> <p>KNIFE EDGE</p> <p>40-72010</p>
<p>Ø 4.5 mm</p>	40-72041	40-72042	40-72043	40-72044	40-72045	
<p>6.5 mm L Ø 6.0 mm</p>						
<p>Ø 6.0 mm</p>	40-72061	40-72062	40-72063	40-72064	40-72065	\$105
	\$105	\$105	\$105	\$105	\$105	\$88

# ANGULATED TITANIUM ABUTMENTS

PALTOP offers two types of 20° angulated abutments for accurate accommodation to the rehabilitation position. Additional modification of the abutment may be done for accurate fitting.

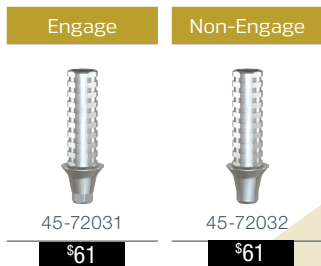
	1mm	2mm	3mm	4mm	5mm	
<p>6.5 mm L 20° Ø 4.50 mm</p>						<p>6.5 mm 20° Ø 4.50 mm</p> <p>KNIFE EDGE</p> <p>20°</p> <p>40-72020</p>
<p>20°</p>	40-72241	40-72242	40-72243	40-72244	40-72245	
	\$105	\$105	\$105	\$105	\$105	\$88

# SCREWS

Open Tray screw For Ratchet	Open Tray Slim screw	Abutment Screw Conical connection	Multi-Unit screw	Multi-Unit Closed Tray Screw	Multi-Unit Open Tray Screw
80-70008	80-70009	80-72002	80-70005	80-70002	80-70006

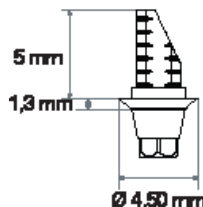
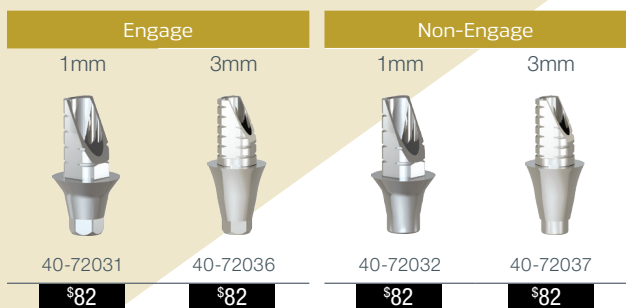
# TEMPORARY TITANIUM

A new titanium temporary abutment for screw-retained restorations is now available in engage and non-engage connections.



# TITANIUM BASE

A titanium base for individuals abutments or screw-retained crown/bridge with 1mm and 3mm tissue height is now available. This titanium base has a unique concave design enabling the soft tissue to form a dense layer surrounding the trans-gingival interconnection. PALTOP offers a Titanium base with a precise titanium implant connection and a mount for attaching materials such as zirconia.



# GOLD BASE CASTABLE

*Superior option for fabricating implant-level custom cast restorations.*

PALTOP's Gold Base Castable Abutments may be used for casting individual abutments and screw-retained crowns/ bridges directly to the implant connection. These abutment assemblies consist of a gold alloy interface implant connection for high accuracy and excellent sealing, and a burn-out plastic cylinder for casting.



**Questions or want to place an order?**

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The PALTOP angulated Multi-Unit abutment is one of the only systems that allows torquing the restoration to 30 Ncm, which will ensure the stability of the restoration.

	1mm	2mm	3mm	4mm	5mm
	<b>STRAIGHT</b>				
	42-72041	42-72042	42-72043	42-72044	42-72045
	\$95	\$95	\$95	\$95	\$95

	3mm	4mm
	<b>ANGULATED 17°</b>	
	42-72017	42-72030
	\$171	\$171

Closed Tray	Open Tray	Scan Abutment	Analog	Healing Cap	Titanium	Castable	Titanium Interface Coping
56-72003	56-72002	30-70103	56-72001	55-72010	42-70020	42-70021	42-70022
\$41	\$41	\$80	\$40	\$45	\$95	\$95	\$80

# SINGLE-UNIT

A unique system for a single implant tooth restoration

- The single-unit abutment is connected to the implant immediately after implant placement or implant uncovering.
- The single-unit abutment's size is chosen according to the transgingival height. Once connected, the single-unit abutment and the implant function as one integrated unit. (One Abutment - One Time)
- All the prosthetic steps are carried out at tissue level. This is a significant advantage both to patient and dentist.
- The concave profile of the single-unit abutment enables maturation of the soft tissue in a thicker and stable form.
- As the single-unit abutment is a solid piece (no screw hole), it eliminates penetration of any bacteria and other contaminants to the implant-abutment interface.
- The crown can be either screw-retained to the single-unit abutment or cemented over an abutment that is screwretained to the single-unit.



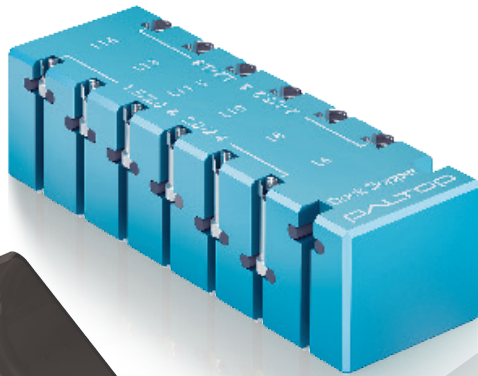
Closed Tray	Open Tray	Scan Abutment	Abutment Analog	Healing Cap	Titanium	Castable	Titanium Interface Coping
56-70021	56-70023	30-70104	56-70022	55-70012	41-70056	41-70057	41-70059
\$41	\$41	\$80	\$40	\$45	\$80	\$30	\$80

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# PALTOP SURGICAL

# KITS



# COMPACTKIT

cat # 60-70111

Drill extender		60-70019	1	74.00
2.5 hex manual driver for ratchet		60-70009	1	45.00
2.0 hex manual driver for ratchet		60-70012	1	45.00
1.25 manual driver		60-70006	1	45.00
Parallel pin 1.5-2.0mm		60-70015	2	27.00
Pilot drill (spade)		60-70020	1	135.00
1.5/2.0 mm long drill		60-70048	1	135.00
2.0/2.4 mm long drill		60-70050	1	135.00
2.4/3.2 mm long drill		60-70052	1	135.00
3.2/3.8 mm long drill		60-70054	1	135.00
Final drill for 3.25 mm implant		60-70035	1	135.00
Final drill for 3.75 mm implant		60-70037	1	135.00
Final drill for 4.2 mm implant		60-70039	1	135.00
Final drill for 5.0 mm implant		60-70041	1	135.00
Ratchet		60-7001	1	194.00



**\$1750**



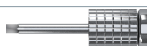


















**The Compact Kit:**  
This kit has the minimum number of tools to place all PALTOP implants. Allows only manual insertion of the implants.

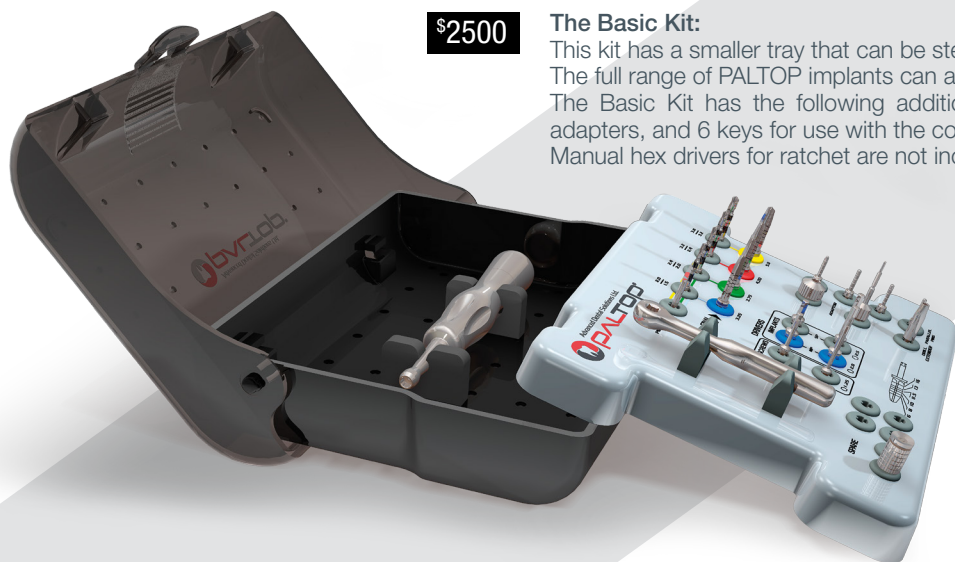
**Questions or want to place an order?**

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# BASICKIT

cat # 60-70110

Key Ratchet adapter		60-70100	2	45.00
Drill extender		60-70019	1	74.00
1.25 manual driver		60-70006	1	68.00
Long 1.25 Hex key		60-70101	1	45.00
Short 1.25 Hex key		60-70102	1	45.00
Long 2.5 Hex key		60-70103	1	45.00
Short 2.5 Hex key		60-70104	1	45.00
Long 2.0 Hex key		60-70105	1	45.00
Short 2.0 Hex key		60-70106	1	45.00
Parallel pin 1.5-2.0mm		60-70015	4	27.00
Pilot drill (spade)		60-70020	1	135.00
1.5/2.0 mm long drill		60-70048	1	135.00
2.0/2.4 mm long drill		60-70050	1	135.00
2.4/3.2 mm long drill		60-70052	1	135.00
3.2/3.8 mm long drill		60-70054	1	135.00
Final drill for 3.25 mm implant		60-70035	1	135.00
Final drill for 3.75 mm implant		60-70037	1	135.00
Final drill for 4.2 mm implant		60-70039	1	135.00
Final drill for 5.0 mm implant		60-70041	1	135.00
Torque Ratchet		60-70042	1	199.00
Hand Driver		60-70014	1	225.00





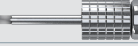
























**\$2500**

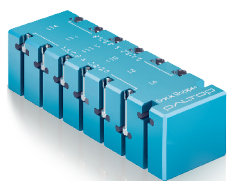
## The Basic Kit:

This kit has a smaller tray that can be sterilized in all sizes of autoclaves. The full range of PALTOP implants can all be surgically placed using the Basic Kit. The Basic Kit has the following additions over the Compact Kit: Hand Driver, set of adapters, and 6 keys for use with the contra angle. Manual hex drivers for ratchet are not included.

# PREMIUMKIT

cat # 60-70112

Key Ratchet adapter		60-70100	2	45.00
Drill extender		60-70019	1	74.00
1.25 manual driver		60-70006	1	68.00
Long 1.25 Hex key		60-70101	1	45.00
Short 1.25 Hex key		60-70102	1	45.00
Long 2.5 Hex key		60-70103	1	45.00
Short 2.5 Hex key		60-70104	1	45.00
Long 2.0 Hex key		60-70105	1	45.00
Short 2.0 Hex key		60-70106	1	45.00
Parallel pin 1.5-2.0mm		60-70015	4	27.00
Pilot drill (spade)		60-70020	1	135.00
1.5/2.0 mm long drill		60-70048	1	135.00
1.5/2.0 mm short drill		60-70047	1	135.00
2.0/2.4 mm long drill		60-70050	1	135.00
2.0/2.4 mm short drill		60-70049	1	135.00
2.4/3.2 mm long drill		60-70052	1	135.00
2.4/3.2 mm short drill		60-70051	1	135.00
3.2/3.8 mm long drill		60-70054	1	135.00
3.2/3.8 mm short drill		60-70053	1	135.00
Final drill for 3.25 mm implant		60-70035	1	135.00
Final drill for 3.75 mm implant		60-70037	1	135.00
Final drill for 4.2 mm implant		60-70039	1	135.00
Final drill for 5.0 mm implant		60-70041	1	135.00
Torque Ratchet		60-70042	1	199.00
Drill Depth Probe		60-70073	1	45.00
Hand Piece		60-70014	1	225.00
Drill Stop Kit		60-70200	1	475.00



**\$3500**

**The Premium Kit has these additions to the Basic Kit:** Larger tray that allows easier reach to the instruments. Short twist drills that allow easier access to areas with limited interarch space. Drill stops for PALTOP step drills for all implant diameters and lengths help limit the drilling depth to potentially avoid anatomical structures. Probe used to measure the depth and check the osteotomy walls.

**Questions or want to place an order?**

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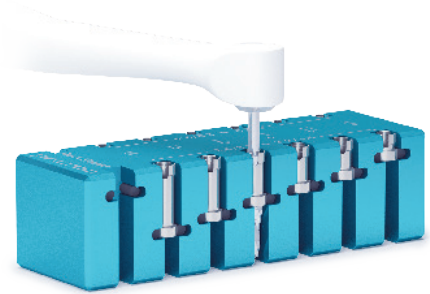
# DrillStopkit \$475

cat # 60-70200

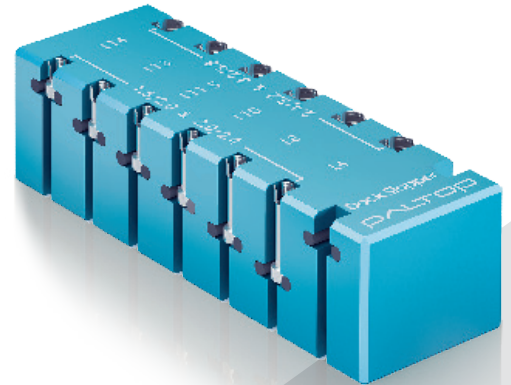
One Simple Drill Stop Kit for All Implant Dimensions

The PALTOP Drill Stop Kit is designed to simplify the drilling process and save valuable chair time. It enables the doctor to drill to the exact desired depth with safety and confidence.

**Only 12 Sleeves Needed to Fit all PALTOP Implants of all Diameters**



For Implant Length	16mm	13mm	11.5mm	10mm	8mm	6mm
1.5/2.0 & 2.0/2.4 Drills						
	60-70206	60-70205	60-70204	60-70203	60-70202	60-70201
	<span style="background-color: black; color: white; padding: 2px;">\$39</span>	<span style="background-color: black; color: white; padding: 2px;">\$39</span>	<span style="background-color: black; color: white; padding: 2px;">\$39</span>	<span style="background-color: black; color: white; padding: 2px;">\$39</span>	<span style="background-color: black; color: white; padding: 2px;">\$39</span>	<span style="background-color: black; color: white; padding: 2px;">\$39</span>
2.4/3.2 & 3.2/3.8 Drills						
	60-70212	60-70211	60-70210	60-70209	60-70208	60-70207
	<span style="background-color: black; color: white; padding: 2px;">\$39</span>	<span style="background-color: black; color: white; padding: 2px;">\$39</span>	<span style="background-color: black; color: white; padding: 2px;">\$39</span>	<span style="background-color: black; color: white; padding: 2px;">\$39</span>	<span style="background-color: black; color: white; padding: 2px;">\$39</span>	<span style="background-color: black; color: white; padding: 2px;">\$39</span>



# Osteotomekit \$913

cat# 60-70080



\$100 \$100 \$100 \$100

- A osteotome for 3.25 implant - Cat. # 60-70081
- B osteotome for 3.75 implant - Cat. # 60-70082
- C osteotome for 4.2 implant - Cat. # 60-70083
- D osteotome for 5.0 implant - Cat. # 60-70084



# SURGICALKITS TORQUE RATCHET

\$199

cat # 60-70042



# COUNTERSINK

\$135

for 5mm&6mm Implant

cat # 60-70103



# 6MM

# WIDE IMPLANT DRILLING KIT









cat # 60-70114



# PARALLEL PINS KIT

cat # 60-70115

Final Depth Pins are intended to verify parallelism with multiple implant cases. They are available for the following implant diameters: 3.25, 3.75, 4.25, 5.0.

	60-70085	99.00
	60-70086	99.00
	60-70087	99.00
	60-70088	99.00
	60-70134	35.00
	60-70135	35.00
	60-70136	35.00
	60-70137	35.00

\$240

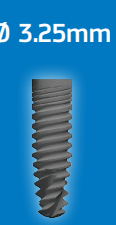
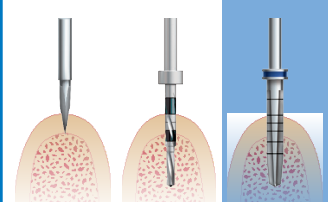
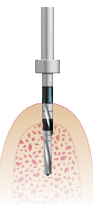

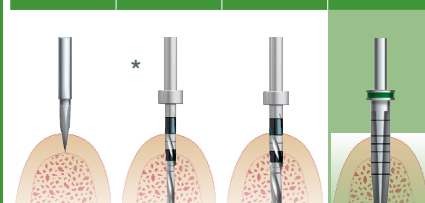


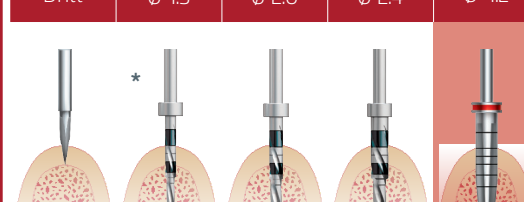
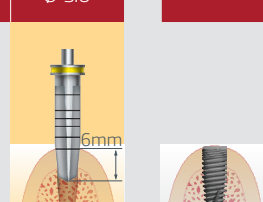

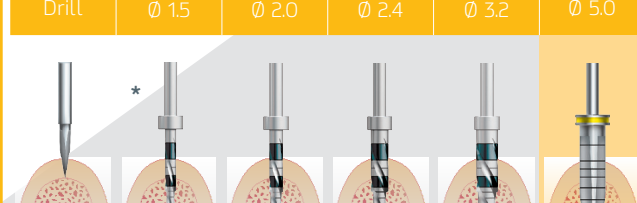
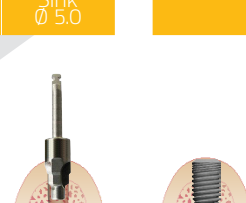
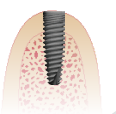

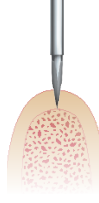
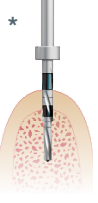
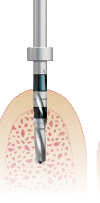
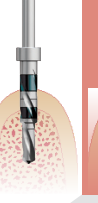

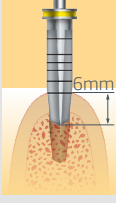


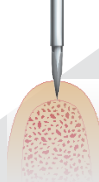
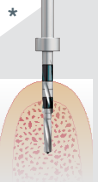
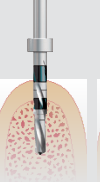
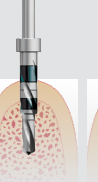
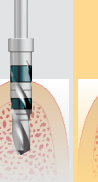
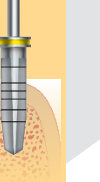
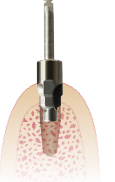



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# SURGICAL DRILLING SEQUENCES

## D2-D3 TYPE BONE | Standard Bone

 <p>Ø 3.25mm</p>	Pilot Drill	Ø 2.0 Ø 1.5	final Ø 3.25	optional		final Ø 3.75				
				<p>If there is dense cortical plate then countersink the osteotomy using the final 3.75 green drill to 6mm (regardless of the length of the implant).</p>						
 <p>Ø 3.75mm</p>	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	final Ø 3.75	optional		final Ø 4.2			
					<p>If there is dense cortical plate then countersink the osteotomy using the final 4.2 red drill to 6mm (regardless of the length of the implant).</p>					
 <p>Ø 4.2mm</p>	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	Ø 3.2 Ø 2.4	final Ø 4.2	optional		final Ø 5.0		
						<p>If there is dense cortical plate then countersink the osteotomy using the final 5.0 yellow drill to 6mm (regardless of the length of the implant).</p>				
 <p>Ø 5.0mm</p>	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	Ø 3.2 Ø 2.4	Ø 3.8 Ø 3.2	final Ø 5.0	optional		Counter Sink Ø 5.0	
							<p>If there is dense cortical plate then countersink the osteotomy using the 5.0 Counter Sink.</p>			

\*Optional: Drilling sequence may begin with drill Ø 2.4 / Ø 2.0

**NOTE:** Due to the individuality of patient condition, the doctor must use his clinical judgment and expertise in choosing the right protocol.

# SURGICAL DRILLING SEQUENCES

## D3-D4 TYPE BONE | Soft Bone

**optional**

<b>Ø 3.25mm</b>	Pilot Drill	Ø 2.0 / Ø 1.5		final Ø 3.25	final Ø 3.75	
	<p>If there is dense cortical plate then countersink the osteotomy using the final 3.25 blue and then the final 3.75 green drills to 6mm (regardless of the length of the implant).</p>			6mm	6mm	

**optional**

<b>Ø 3.75mm</b>	Pilot Drill	Ø 2.0 / Ø 1.5	Ø 2.4 / Ø 2.0		final Ø 3.75	final Ø 4.2	
	<p>If there is dense cortical plate then countersink the osteotomy using the final 3.75 green and then the final 4.2 red drills to 6mm (regardless of the length of the implant).</p>			6mm	6mm		

**optional**

<b>Ø 4.2mm</b>	Pilot Drill	Ø 2.0 / Ø 1.5	Ø 2.4 / Ø 2.0	Ø 3.2 / Ø 2.4		final Ø 4.2	final Ø 5.0	
	<p>If there is dense cortical plate then countersink the osteotomy using the final 4.2 red and then the final 5.0 yellow drills to 6mm (regardless of the length of the implant).</p>				6mm	6mm		

**optional**

<b>Ø 5.0mm</b>	Pilot Drill	Ø 2.0 / Ø 1.5	Ø 2.4 / Ø 2.0	Ø 3.2 / Ø 2.4	Ø 3.8 / Ø 3.2		final Ø 5.0	Counter Sink Ø 5.0	
	<p>If there is dense cortical plate then countersink the osteotomy using the final 5.0 yellow drill to 6mm (regardless of the length of the implant) and the 5.0 Countersink</p>						6mm		

\*Optional: Drilling sequence may begin with drill Ø 2.4 / Ø 2.0


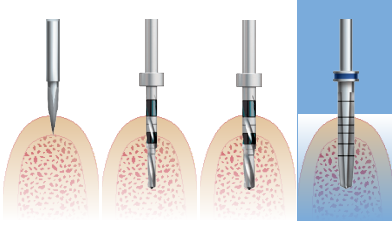
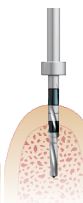

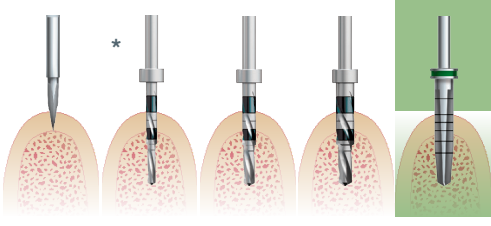
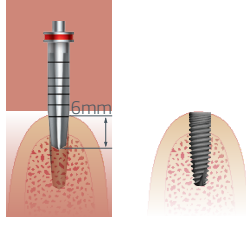


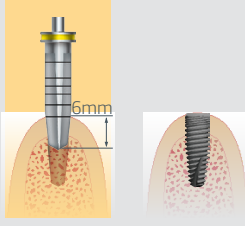

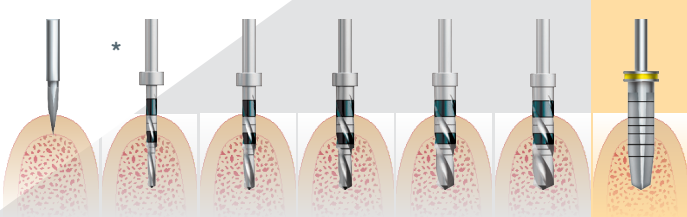
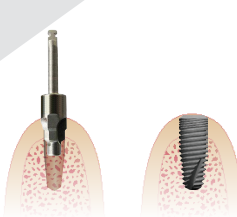
**NOTE:** Due to the individuality of patient condition, the doctor must use his clinical judgment and expertise in choosing the right protocol.

**Questions or want to place an order?**

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# SURGICAL DRILLING SEQUENCES






## D1-2 TYPE BONE | Dense Bone

<b>Ø 3.25mm</b> 	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	final Ø 3.25	<b>optional</b> final Ø 3.75				
					If there is dense cortical plate then countersink the osteotomy using the final 3.75 green drill to 6mm (regardless of the length of the implant). 				
<b>Ø 3.75mm</b> 	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	Ø 3.2 Ø 2.4	final Ø 3.75	<b>optional</b> final Ø 4.2			
						If there is dense cortical plate then countersink the osteotomy using the final 4.2 red drill to 6mm (regardless of the length of the implant). 			
<b>Ø 4.2mm</b> 	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	Ø 3.2 Ø 2.4	Ø 3.8 Ø 3.2	final Ø 4.2	<b>optional</b> final Ø 5.0		
							If there is dense cortical plate then countersink the osteotomy using the final 5.0 yellow drill to 6mm (regardless of the length of the implant). 		
<b>Ø 5.0mm</b> 	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	Ø 3.2 Ø 2.4	Ø 3.8 Ø 3.2	Ø 3.8	final Ø 5.0	<b>optional</b> Counter Sink Ø 5.0	
								If there is dense cortical plate then countersink the osteotomy using the 5.0 Counter Sink. As you use the Counter Sink to its full depth there will be less engagement of the cortical bone. 	

\*Optional: Drilling sequence may begin with drill Ø 2.4 / Ø 2.0

**NOTE:** Due to the individuality of patient condition, the doctor must use his clinical judgment and expertise in choosing the right protocol.

D1-D2 Type Bone | DENSE BONE PROTOCOL

 <p>Ø 3.25mm</p>	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	Final Ø 3.25	Final Ø 3.75	Countersink 3.25mm & 3.75mm			
	<p>Countersink the osteotomy using the <b>FINAL 3.75 GREEN DRILL</b> to 6mm (regardless of the length of the implant) or using the <b>COUNTERSINK FOR 3.25MM&amp;3.75MM TO THE FIRST LINE</b></p>								
 <p>Ø 3.75mm</p>	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	Ø 3.2 Ø 2.4	Final Ø 3.75	Final Ø 4.2	Countersink 3.25mm & 3.75mm		
	<p>Countersink the osteotomy using the <b>FINAL 4.2 RED DRILL</b> to 6mm (regardless of the length of the implant) or using the <b>COUNTERSINK FOR 3.25MM&amp;3.75MM TO THE 2-ND LINE</b></p>								
 <p>Ø 4.2mm</p>	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	Ø 3.2 Ø 2.4	Ø 3.8 Ø 3.2	Final Ø 4.2	Final Ø 5.0	Countersink 4.2 mm	
	<p>Countersink the osteotomy using the <b>FINAL 5.0 YELLOW DRILL</b> to 6mm (regardless of the length of the implant) or using the <b>COUNTERSINK FOR 4.2MM</b></p>								
 <p>Ø 5.0mm</p>	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	Ø 3.2 Ø 2.4	Ø 3.8 Ø 3.2	Ø 4.3 Ø 3.8	Final Ø 5.0	Countersink Ø 5.0	
	<p>Countersink the osteotomy using the <b>5.0 YELLOW COUNTERSINK TO THE FIRST LINE</b></p>								
 <p>Ø 6.0mm</p>	Pilot Drill	Ø 2.0 Ø 1.5	Ø 2.4 Ø 2.0	Ø 3.2 Ø 2.4	Ø 3.8 Ø 3.2	Ø 4.3 Ø 3.8	Ø 5.3 Ø 4.5	Final Ø 6.0	Countersink Ø 6.0
	<p>Countersink the osteotomy using the <b>6.0 COUNTERSINK TO THE 2-ND LINE</b></p>								

**Recommended implant insertion torque is 30 - 40 Ncm.**

If the insertion torque exceed 40 Ncm consider reducing the pressure caused by high insertion torque by:  
 (1) reversing the implant 2-3 rotations, and then reinserting to the appropriate height  
 (2) remove the implant and countersink or tap the osteotomy and then reinsert the implant. (If the implant is removed, reinsert it into it's titanium vial during the countersinking/tapping procedure)

\* Optional drilling sequence may begin with drill Ø 2.4 / Ø 2.0

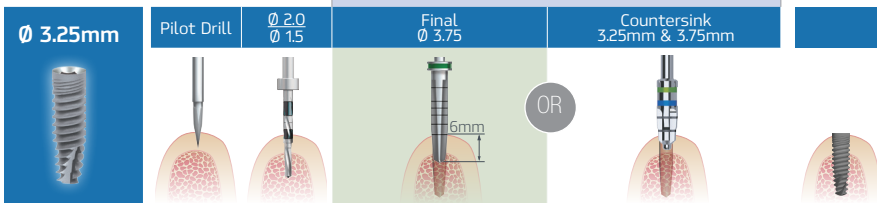
**NOTE:** Due to the individuality of the patients condition, the doctor must use his clinical judgment and expertise in choosing the right protocol.

**Questions or want to place an order?**

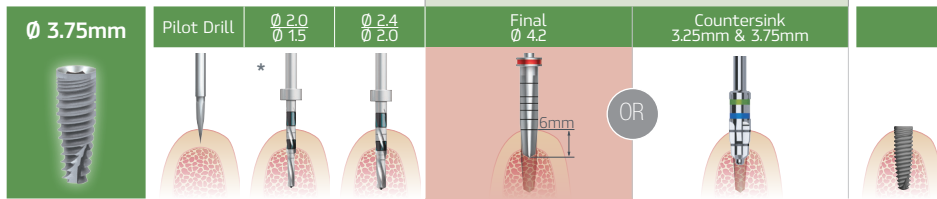
Call Lacy Hollaway at 866-537-1034 or email us at [paltop@oralartsdental.com](mailto:paltop@oralartsdental.com)

## D2-D3 Type Bone | STANDARD PROTOCOL

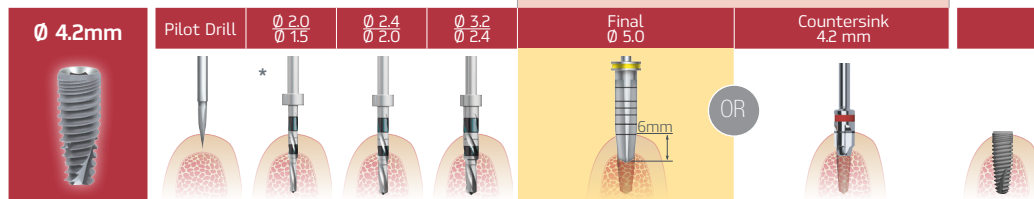
Countersink the osteotomy using the **FINAL 3.75 GREEN DRILL** to 6mm (regardless of the length of the implant) or using the **COUNTERSINK FOR 3.25MM & 3.75MM TO THE FIRST LINE**



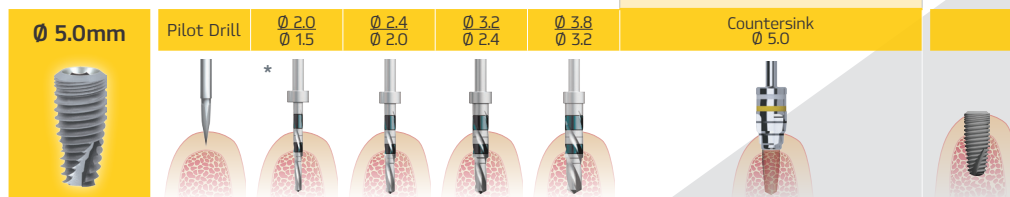
Countersink the osteotomy using the **FINAL 4.2 RED DRILL** to 6mm (regardless of the length of the implant) or using the **COUNTERSINK FOR 3.25MM & 3.75MM TO THE 2-ND LINE**



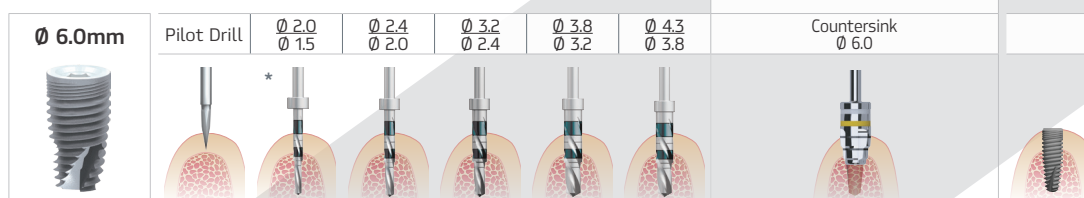
Countersink the osteotomy using the **FINAL 5.0 YELLOW DRILL** to 6mm (regardless of the length of the implant) or using the **COUNTERSINK FOR 4.2 MM**



Countersink the osteotomy using the **5.0 YELLOW COUNTERSINK TO THE FIRST LINE**



Countersink the osteotomy using the **6.0 COUNTERSINK TO THE 2ND LINE**



### Recommended implant insertion torque is 30 - 40 Ncm.

If the insertion torque exceed 40 Ncm consider reducing the pressure caused by high insertion torque by:

- (1) reversing the implant 2-3 rotations, and then reinserting to the appropriate height
- (2) remove the implant and countersink or tap the osteotomy and then reinsert the implant. (If the implant is removed, reinsert it into it's titanium vial during the countersinking/tapping procedure)

\* Optional drilling sequence may begin with drill Ø 2.4 / Ø 2.0

**NOTE:** Due to the individuality of the patients condition, the doctor must use his clinical judgment and expertise in choosing the right protocol.

Table of screw setting torque(N-CM)

Prosthesis	Torque (N-cm)
Healing Cap	15
PeeK Abutments	10-15
Multi-Unit Abutments	30-35
Single-Unit Abutments	30-35
Ball Abutments	30-35
Multi-Unit Screw	20-25
Single-Unit Screw	20-25
SP Abutment Screw	30-35
NP Abutment Screw	25-30
WP Abutment Screw	30-35
PCA Abutment Screw	25

# SURGICAL DRILLING SEQUENCES **Dynamic** ENHANCED STABILITY

## D3-D4 Type Bone | SOFT BONE PROTOCOL

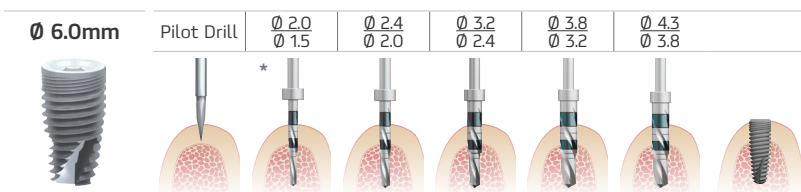
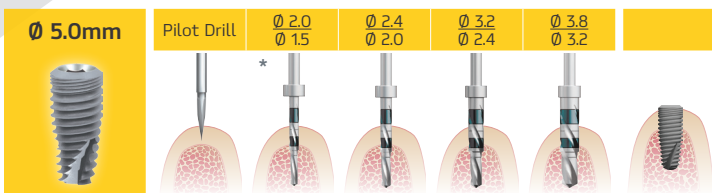
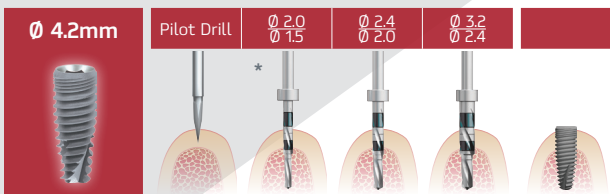
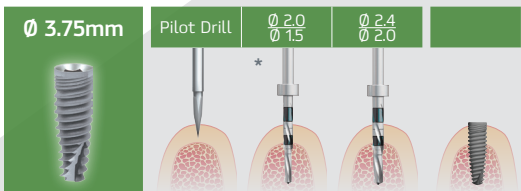
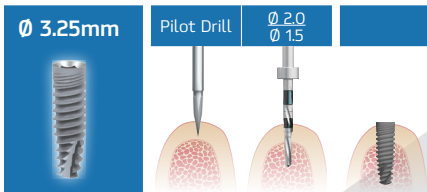


Table of screw setting torque(N-CM)

Prosthesis	Torque (N-cm)
Healing Cap	15
Peek Abutments	10-15
Multi-Unit Abutments	30-35
Single-Unit Abutments	30-35
Ball Abutments	30-35
Multi-Unit Screw	20-25
Single-Unit Screw	20-25
SP Abutment Screw	30-35
NP Abutment Screw	25-30
WP Abutment Screw	30-35
PCA Abutment Screw	25

### Recommended implant insertion torque is 30 - 40 Ncm.

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\* Optional drilling sequence may begin with drill Ø 2.4 / Ø 2.0

**NOTE:** Due to the individuality of the patients condition, the doctor must use his clinical judgment and expertise in choosing the right protocol.

### Questions or want to place an order?

Call Lacy Hollaway at 866-537-1034 or email us at [paltop@oralartsdental.com](mailto:paltop@oralartsdental.com)

# ADVANCED, SIMPLIFIED & COST-EFFECTIVE DIGITAL TREATMENT WORKFLOW

PALTOP offers a broad range of solutions for the complete digital workflow for the Doctor and Oral Arts, including surgical and restorative digital applications.

PALTOP's digital treatment workflow enables Doctors to perform simple, safe and accurate pre-planned surgical and restorative procedures utilizing cuttingedge technology.

PALTOP offers a variety of digital dental products that allow pre-planned, state-of-the-art, accurate and quick treatment. PALTOP offers all the complementary components and tools necessary to have a complete digital workflow, whether designed by the Doctor, Oral Arts, or by PALTOP.



Compatible with the following Editing and Design Software:

<b>3shape</b> 	<b>PLANMECA</b> ®	<b>Blue Sky Plan</b> ®
<b>exocad</b>	 dental wings	<b>Zirkonzahn</b>

Oral Arts accepts scans from all intraoral scanners. Visit [www.oralartsdental.com/intraoral-scanners/](http://www.oralartsdental.com/intraoral-scanners/) for more info.

\*Digital file submission cut off time 11am CST.

## SCAN ABUTMENTS

PALTOP Scan Abutments retain a unique geometry that allows easy and accurate scanning. A titanium base ensures a precise fit for accurate scanning, while the PEEK top allows visibility of the component in the oral surface scan. PALTOP Scan Abutments are suitable for both intra-oral and laboratory scanning.



\$80

# \*SURGICAL GUIDES

PALTOP offers a Surgical Guide that enables accurate positioning of the implants based on 3D CAD digital planning. The surgical guide enables optimal placement of the implant in position, angulation and depth.

- ⊙ Optimal implant position
- ⊙ Accurate drilling
- ⊙ Full visibility
- ⊙ Effective irrigation
- ⊙ Simple to use
- ⊙ Matches PALTOP's Standard protocol and surgical kit

## Tooth-Supported Surgical Guide

When there are at least three stable teeth present in the mouth, a tooth-supported surgical guide may be used in guided surgery. The guide is designed to fit to the teeth, while small windows in the surgical guide enable the Doctor to see through and verify the fit.



## Tissue-Supported Surgical Guide

In fully edentulous cases, the surgical guide is supported by the tissue while fixations pins fix the surgical guide to its correct position during surgery.



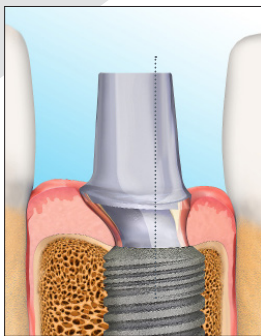
*\*Submit CT/dicom files as zip files to Oral Arts customer portal. CT scans must include patient name.(required)*

**\$150 / plan**  
**\$125 / guide**

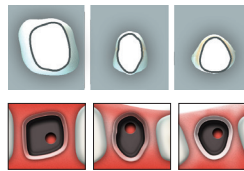
guide sleeves \$20/each

# CUSTOM ABUTMENTS

Oral Arts offers custom abutments ideal for implant-based oral restorations that provide a compatible match to a patient's oral anatomy.



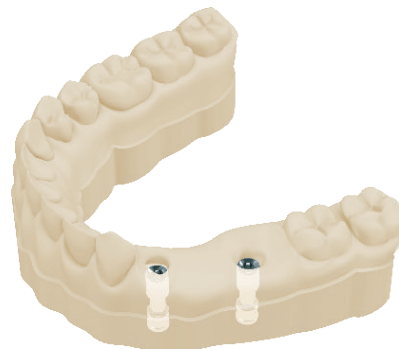
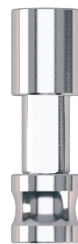
- Patient specific customization
- Optimal fit to tooth structure
- Compensation for anatomical considerations



# 3D PRINTED MODELS

Oral Arts offers 3D printed models that will replace traditional stone models.

3D Printed Models are more accurate and simple to produce. Specially designed DIM Analogs represent implant connections. DIM Analogs are also available separately for laboratory use.








**Questions or want to place an order?**



Call Lacy Hollaway at 866-537-1034 or email us at [paltop@oralartsdental.com](mailto:paltop@oralartsdental.com)

# DIGITAL PRODUCTS













Multi-Unit Scan Abutment	Single-Unit Scan Abutment	Narrow Platform Scan Abutment	Standard Platform Scan Abutment	Conical Platform Scan Abutment
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30-70103	30-70104	30-70102	30-70101	30-70105
\$80	\$80	\$80	\$80	\$80







Narrow Platform DIM Analog	Standard Platform DIM Analog	Conical Platform DIM Analog
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30-70502	30-70501	30-70503
\$60	\$60	\$60





## TITANIUM BASES

	Engage 1mm	Non-Engage 1mm	Engage 3mm	Non-Engage 3mm
Hex Narrow Platform	 40-70067 \$75	 40-70080 \$75	 40-70095 \$75	 40-70097 \$75
Hex Standard Platform	 40-70066 \$75	 40-70079 \$75	 40-70094 \$75	 40-70096 \$75
Conical	 40-72031 \$75	 40-72032 \$75	 40-72036 \$75	 40-72037 \$75

## TEMPORARY TITANIUM ABUTMENTS

	Engage	Non-Engage
Hex Narrow Platform	 45-70031 \$47	 45-70032 \$47
Hex Standard Platform	 45-70029 \$47	 45-70030 \$47
Conical	 45-72031 \$47	 45-72032 \$47

## PILOT DRILLS FOR PALTOP SURGICAL GUIDE

30-70304	Pilot drill 2mm dia 27mm length		\$135
30-70303	Pilot drill 2mm dia 23mm length		\$135
30-70302	Pilot drill 2mm dia 19mm length		\$135
30-70301	Pilot drill (spade) for surgical guide		\$135

## PILOT DRILLS KIT

cat # 30-70023



\$231

# GUARANTEE



**IMPLANT LIFETIME**



**ABUTMENT 10 YEARS**

Advanced Dental Solutions Ltd.  
**PALTOP**



\* Upon PALTOP's Terms & Conditions



**EC Declaration of Conformity**  
 EC Directive 93/42/EEC Annex II, excluded clause 4  
 Full Quality Assurance System  
 Medical Devices

Registration No.: HD 60094554 0001  
 Report No.: 28106546 001

Manufacturer: **PALTOP Advanced Dental Solutions Ltd.**  
 5 Hashita Ind Park  
 30899 Caesarea  
 Israel

Scope: **DENTAL IMPLANTS;  
 PROSTHETIC COMPONENTS;  
 DENTAL SURGICAL INSTRUMENTS.**  
 (See the attachment for models and codes designation)

Date of Expiry: **11/06/2019**

The Notified Body hereby authorizes the quality management system established and applied by the company mentioned above. The requirements of Annex II, Article 3 of the directive have been met. This approval is subject to periodic surveillance, defined by Annex II, Article 5, of the aforementioned EC Directive, and can be used by the company with the manufacturer's declaration of conformity.

Notified Body




Pogliano Milanese (MI) **12/08/2014**

**TÜV Rheinland Italia S.r.l. - Via Mattei, 3 - 20010 - Pogliano Milanese (MI)**  
 Accredited by Ministry of Health and by Ministry of Economic Development  
 with decree of January 9<sup>th</sup> 2013 (G.U. n. 32 February 7<sup>th</sup> 2013)  
 Notified under No. 1936 to the EC Commission

CE CE



2016

**CERTIFICATE OF REGISTRATION**

This certifies that:  
**PALTOP ADVANCED DENTAL SOLUTIONS LTD**  
 5 Hashita Street  
 Caesarea Haifa, ISRAEL 30899

is registered and has listed the following medical device with the U.S. Food and Drug Administration for FY 2016 pursuant to Title 21, Part 807 of the United States Code of Federal Regulations:

Establishment Registration: **3009161309**  
 Premarket Substitution Number: **K113795**  
 Device Classification Name: **IMPLANT, ENDOSSEOUS, ROOT-FORM**  
 Product Code: **0325**  
 Registration Number: **8723440**  
 Official Correspondent:

Registrar Corp  
 144 Research Drive, Hampton, Virginia, 23666, USA  
 Telephone: +1-757-224-0177 Fax: +1-757-224-0179

Registrar Corp will confirm that such registration remains effective upon request and presentation of this certificate until the end of the year stated above, unless said registration is terminated after issuance of this certificate. Registrar Corp makes no other representation or warranty, nor does this certificate make any representation or warranty to any person or entity other than the named certificate holder, for whose sole benefit it is issued. This certificate does not denote endorsement or approval of the certificate-holder's device or establishment by the U.S. Food and Drug Administration. Registrar Corp assumes no liability to any person or entity in connection with the foregoing.

Pursuant to 21 CFR 807.39, "Registration of a device establishment or assignment of a registration number does not in any way denote approval of the establishment or its products, any representation that creates an impression of official approval because of registration or possession of a registration number is misleading and constitutes misbranding."

The U.S. Food and Drug Administration does not issue a certificate of registration, nor does the U.S. Food and Drug Administration recognize a certificate of registration. Registrar Corp is not affiliated with the U.S. Food and Drug Administration.



Registrar Corp  
 Executive Director  
 Registrar Corp  
 Head Office

**Registrar Corp**  
 144 Research Drive, Hampton, Virginia, 23666, USA  
 Telephone: +1-757-224-0177 • Fax: +1-757-224-0179  
 info@registratorcorp.com • www.registratorcorp.com

## CERTIFICATE

The Certification Body TÜV Rheinland Italia S.r.l. certifies, in accordance with the TÜV Rheinland Group procedures, that the Company

**Paltop Advanced Dental Solutions Ltd.**  
**Hashita 5**  
**IL - 30899 Caesarea (Israel)**

has established and applies a quality management system for the following scope:

**Design and manufacture of dental implants, prosthetic components and dental surgical instruments.**

Through an Audit, Report No. 0261404, proof has been furnished that the quality management system fulfils the requirements of the standard

**UNI CEI EN ISO 13485:2012**

Please refer to the Quality Manual for the details about the activities with respect to the requirements of the standard.  
 Certificate Registration No. **39 05 0551404**.

This Certificate is valid from 2014-05-12 to 2017-05-15.  
 The reference date for all the next audits is (day-month): 15-04.

Milan, 2014-09-12. TÜV Certification: 2011-05-16



The certificate is issued upon proof that the quality requirements of the Directives 93/42/EEC, 90/269/EEC or 90/269/EEC have been fulfilled.





www.tuvitalia.com TÜVRheinland®

## CERTIFICATE

The Certification Body TÜV Rheinland Italia S.r.l. certifies, in accordance with the TÜV Rheinland Group procedures, that the Company

**Paltop Advanced Dental Solutions Ltd.**  
**Hashita 5**  
**IL - 30899 Caesarea (Israel)**

has established and applies a quality management system for the following scope:

**Design and manufacture of dental implants, prosthetic components and dental surgical instruments. EA 17**

Through an Audit, Report No. 0501405, proof has been furnished that the quality management system fulfils the requirements of the standard

**UNI EN ISO 9001:2008**

Please refer to the Quality Manual for the details about the activities with respect to the requirements of the standard.  
 Certificate Registration No. **39 00 0551404**.

This Certificate is valid from 2014-05-12 to 2017-05-15.  
 The reference date for all the next audits is (day-month): 15-04.

Milan, 2014-06-12. TÜV Certification: 2011-05-16



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PALTOP

OralArts  
DENTAL LABORATORIES HUNTSVILLE, ALABAMA