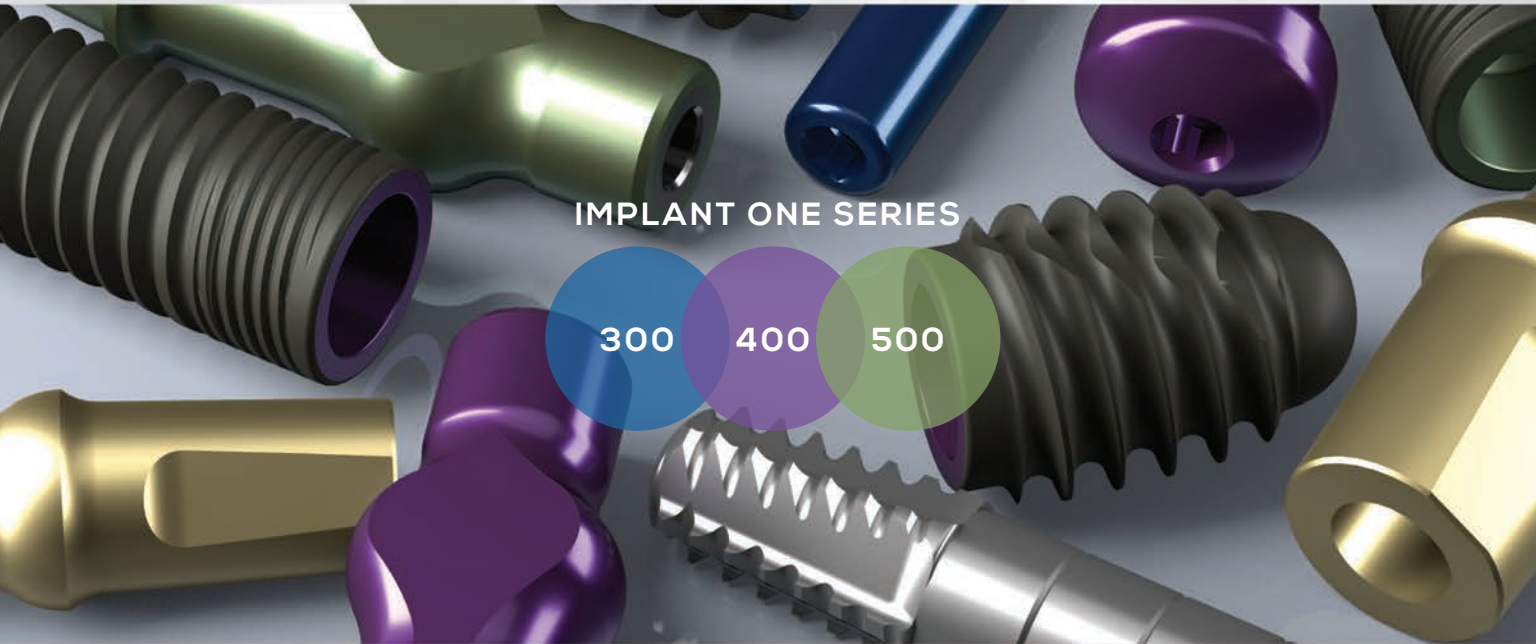




**IMPLANT**  
LOGISTICS  
INNOVATIVE DENTAL TECHNOLOGY

# PRODUCT CATALOG



IMPLANT ONE SERIES

300

400

500



**IMPLANT**  
— ONE —  
PRECISION DENTAL IMPLANTS



[implantlogistics.com](http://implantlogistics.com)

| 844-383-8001



**IMPLANT**  
— ONE —

A PRECISION DENTAL IMPLANT SYSTEM



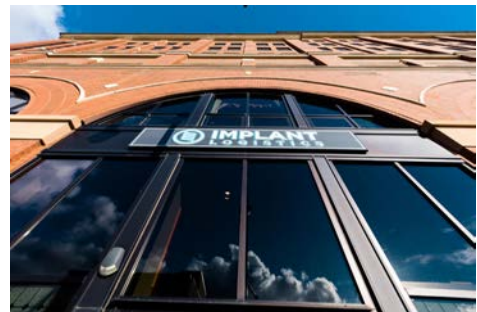
## ABOUT IMPLANT LOGISTICS:

Implant Logistics was founded by general dentist and implantologist, Dr. Leo Malin, in response to a need he saw for affordable US-based implant systems that would be robust, simple to use, preserve bone and give predictable results.

Implant Logistics provides implants, implant components and accessories that are designed to prevent the bone loss associated with most implant systems currently on the market. In addition, our implant systems are designed to be simple to use, to provide the full range of restorative options and are priced competitively.

Dr. Malin started delivering implant services in 1993 and in his quest for the best implants and components, he found that some of the implants manufactured in Europe that he felt were superior to the U.S. ones were simply not available to the US market. When the Morse tapered implants were introduced into the US they were significantly better than what was available in the U.S., however, Dr. Malin felt these systems could be improved and the cost of those systems was also prohibitive. He set about developing an improved implant system at a more affordable price. After much research and innovation, he set up manufacturing facilities in the U.S. and created the Implant One system of implants and components.

Implant Logistics continues to innovate and develop implants that are simple to use, give stable results and meet the needs of implant dentists.







## IMPLANT MANUFACTURING:

AMS Micromedical, LLC was formed in 2011 to focus specifically on the Medical Device and Dental Implant fields.

AMS Micromedical management, quality assurance and engineering personnel have upwards of 30 years experience each in their respective fields. They offer impressive capabilities and excellent customer service.

Micro-sized parts suitable for CNC Swiss machining are their specialty: dental implants and related components, complete surgical kits, surgical drills and instruments, catheter components and other precision machined devices.

AMS Micromedical also offers numerous secondary operation capabilities including laser marking, pad printing and assembly. Our equipment and software is state of the art, our personnel are highly trained and experienced, and our facility is ISO 13485:2003, ISO 9001:2008 FDA registered. Prototype or low quantity production runs are considered.



[www.amsmicromedical.com](http://www.amsmicromedical.com)

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300

400

500

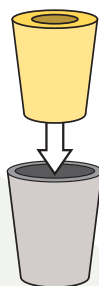
**3**

## IMPLANT ONE FEATURES AND BENEFITS

### MORSE TAPER CONNECTION FOR BONE AND TISSUE HEALTH

In implantology, bone and soft tissue health is the biggest determinate of successful implant integration, the aesthetics of the restoration, and the longevity of the implant. For this reason, at the core of the Implant One system is a 6° Morse Taper implant-abutment connection which ensures strong, enduring, bacteria-free implant experiences for patients.

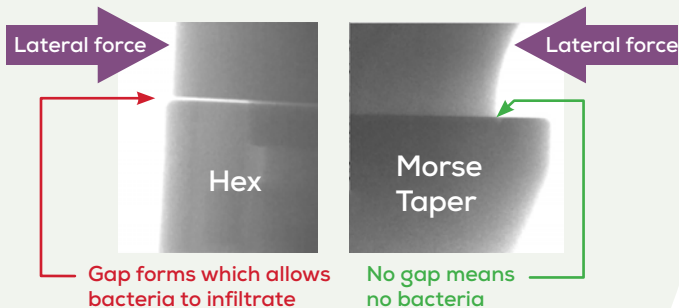
Basic Morse Taper Design  
"Cone within a cone"



Morse Tapers are widely used in applications where strong joints between mechanical components are paramount. They produce tight and secure connections that are resistant to multi-directional forces, like those that dental implants are routinely subjected to.

The radiographs below demonstrate the key difference between a standard hex implant-abutment connection and a Morse Taper connection when lateral forces are applied. The Morse Taper remains tightly closed to bacteria as the force is applied, but the hex does not.

Hex connection vs. Morse Taper



.050" HEX SCREW  
DRAWS THE  
CONNECTION  
TIGHTLY CLOSED

GOLD  
ANODIZATION  
FOR BETTER  
CROWN  
AESTHETICS



AGGRESSIVE  
THREADS FOR  
PRIMARY STABILITY

### SUB-CRESTAL PLACEMENT

The practical elimination of bacteria infiltration by the Implant One design allows the implants to be placed at or below the crest of bone which helps reduce the stress applied to the cortical plate, and prevent tissue and bone die-back. This means better integration, better aesthetics and an implant that can last the lifetime of the patient.

All Implant One implants can and should be placed crestal or sub-crestal in order to realize the full advantages of the system.

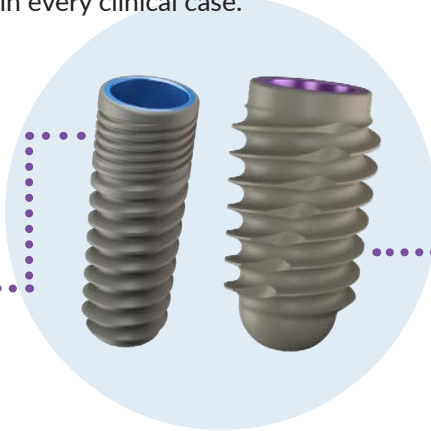


### THREAD DESIGN

The Implant One system provides clinicians with two thread variants, Standard and Wide, so that optimum primary stability can be attained in every clinical case.

#### STANDARD THREAD IMPLANT

Suitable for all bone density types, the Standard Thread implants feature aggressive, self-tapping threads for increased initial stability and **Microthreads** to reduce pressure on the thin cortical plates, lessening the risk of pressure necrosis.



#### WIDE THREAD IMPLANT

The Wide Thread is ideal for immediate implant placement in extraction sites or in cases with poor bone density. **The larger surface area of the threads** provide maximum primary stability.

### IMPLANT ONE ABUTMENTS



Implant One offers a complete line of abutments for individual, full-arch fixed, and full-arch removable restorations. All abutments feature Implant One's uniquely strong Morse Taper implant-abutment connection. This connection is so

strong that it would be impossible to remove the abutments, if ever necessary, if they did not include **self-extraction features**.

See all Implant One abutments beginning on page 11.

### SELF-EXTRACTION FEATURES



EXTRACTOR TOOL

INTERNAL THREADS ENABLE EXTRACTOR TOOL TO RELEASE THE GRIP OF THE MORSE TAPER

See page 45 for Abutment Removal Procedure.

### IMPLANT ONE SERIES

The Implant One system features three distinct series: **300, 400, and 500**. From single-tooth aesthetic zone restorations to multiple-unit full-mouth dentures, Implant One is suitable for all clinical cases. Implant diameters range from 3.5mm to 6.5mm with heights ranging from 8mm to 14mm.

See all Implant One implants on page 8.



IMPLANTS AND COMPONENTS ARE ANODIZED WITH THEIR SERIES' COLOR CODES FOR EASE OF USE.

**SERIES 300 = BLUE**  
**SERIES 400 = PURPLE**  
**SERIES 500 = LIGHT GREEN**





**IMPLANT**  
— ONE —





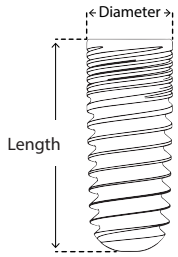
STANDARD AND WIDE **IMPLANTS:**



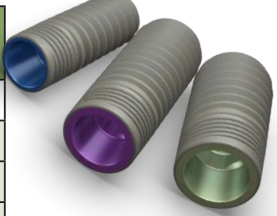
- 300
- 400
- 500

## STANDARD IMPLANTS:

The Standard Thread implants feature aggressive, self-tapping threads for increased initial stability and "Microthreads" to reduce pressure on the thin cortical plates, lessening the risk of pressure necrosis. By varying the osteotomy diameter, this implant can be placed in bone of any density.

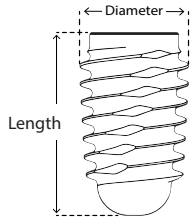


	300 series	400 series	500 series		
	←-----DIAMETER-----→				
LENGTH	3.5 mm	4.0 mm	4.5 mm	5.0 mm	5.5 mm
8 mm	IR3-3508-00	IR4-4008-00	IR4-4508-00	IR5-5008-00	IR5-5508-00
10 mm	IR3-3510-00	IR4-4010-00	IR4-4510-00	IR5-5010-00	IR5-5510-00
12 mm	IR3-3512-00	IR4-4012-00	IR4-4512-00	IR5-5012-00	IR5-5512-00
14 mm	IR3-3514-00	IR4-4014-00	IR4-4514-00	IR5-5014-00	IR5-5514-00

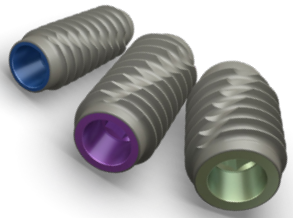


## WIDE THREAD IMPLANTS:

The Wide Thread implant is designed for maximum primary stability when immediate implant placement in extraction sites is desired or in cases with poor bone density. Wide Thread implants should not be placed in dense bone.

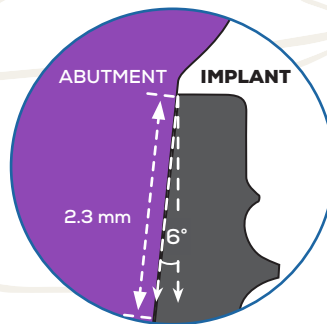


	300 series	400 series	500 series	
	←-----DIAMETER-----→			
LENGTH	4.1 mm	4.5 mm	5.5 mm	6.5 mm
8 mm	IW3-4108-00	IW3-4508-00	IW4-5508-00	IW5-6508-00
10 mm	IW3-4110-00	IW3-4510-00	IW4-5510-00	IW5-6510-00
12 mm	IW3-4112-00	IW3-4512-00	IW4-5512-00	
14 mm	IW3-4114-00	IW3-4514-00		



### Common Features of all Implant One implants

- Optimized for bone health and aesthetics
- Self-tapping external threads
- Morse Taper implant-abutment connection: tight and bacteria-free
- Sub-crestal placement recommended



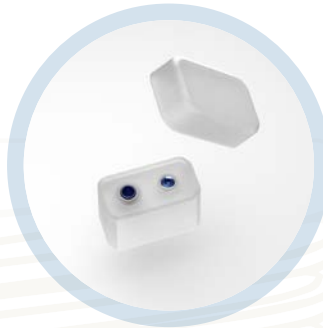
Internal Implant-Abutment Connection Details

### Specifications

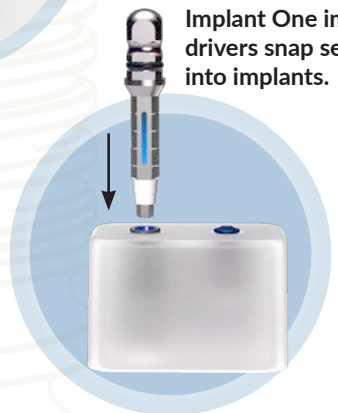
Material: 6AL4V E.L.I. Titanium  
 Lengths (mm): 8, 10, 12, 14  
 Diameters (mm): 3.5, 4.0, 4.1, 4.5, 5.0, 5.5, 6.5  
 Internal Connection: 6° Morse Taper  
 Connection Length: 2.3 mm  
 Cover screw included



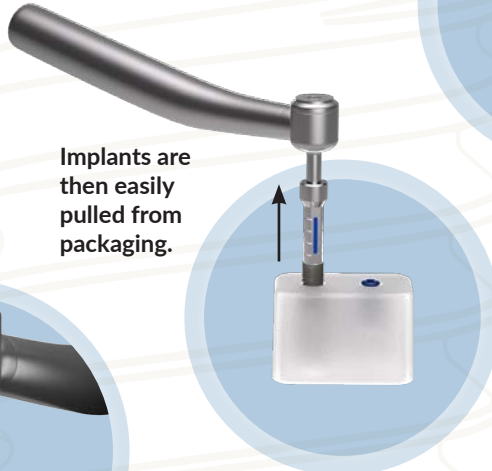
**IMPLANT PACKAGING FEATURES:**



Implant and cover screw are conveniently packaged together.



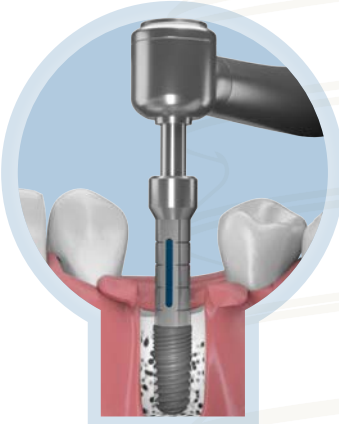
Implant One implant drivers snap securely into implants.



Implants are then easily pulled from packaging.



Cover screws are pulled out with a .050" driver.

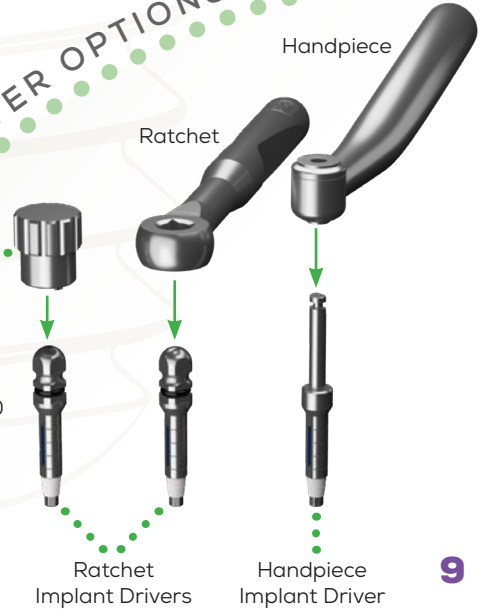


Implants are directly placed into their osteotomy sites and driven to full depth.



**IMPLANT DRIVER OPTIONS**

Thumb Knob  
ADP-THMK-00



Ratchet  
Implant Drivers

Handpiece  
Implant Driver



IMPLANT  
— ONE —



IMPLANT **ABUTMENTS**:



300

400

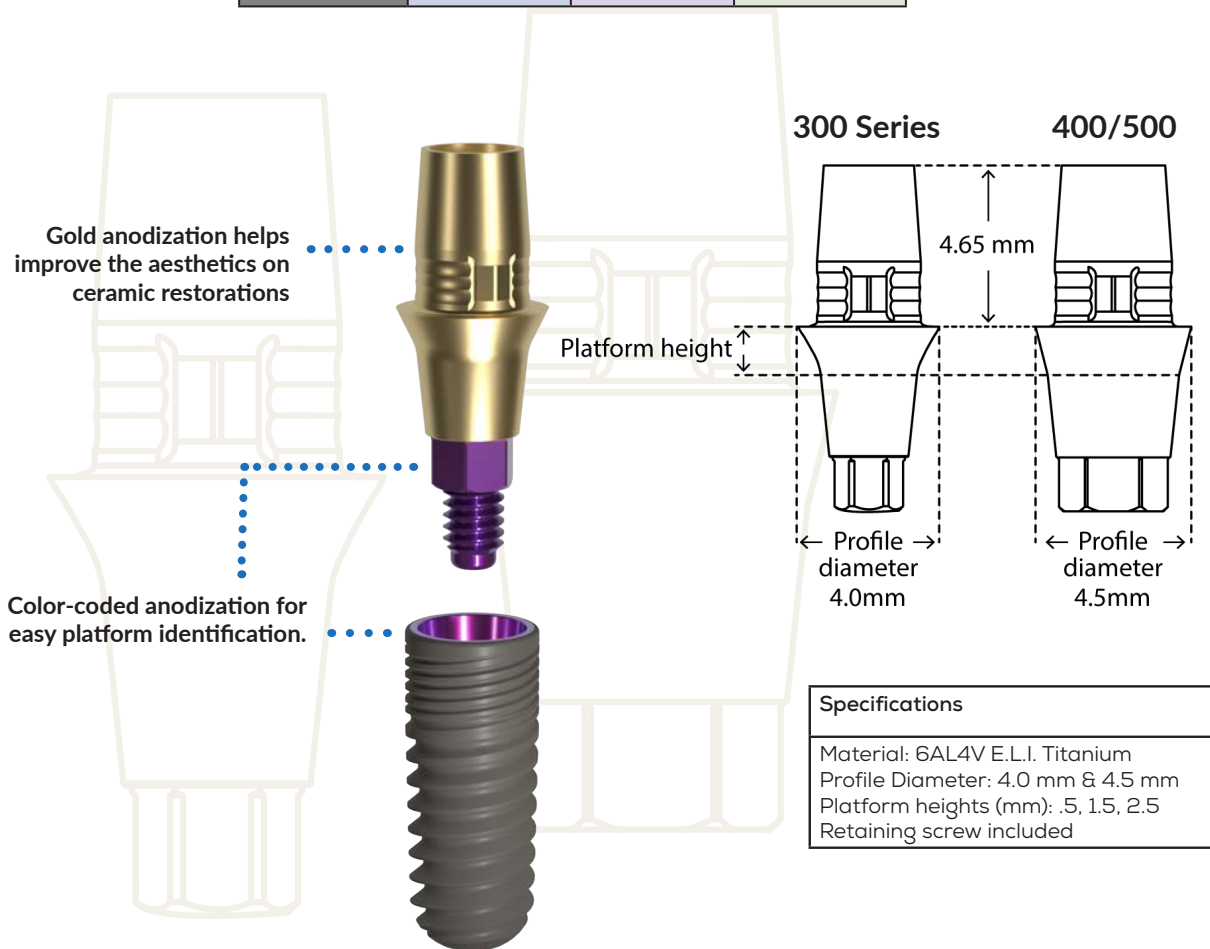
500

## TI-BASE ABUTMENT

Ti-Base abutments are compatible with CAD-CAM systems. Made of 6AL4V E.L.I. titanium. Designed for all ceramic restorations.



PLATFORM HEIGHT	300 series	400 series	500 series
0.5 mm	ATB-0305-01	ATB-0405-00	ATB-0505-00
1.5 mm	ATB-0315-01	ATB-0415-00	ATB-0515-00
2.5 mm	ATB-0325-01	ATB-0425-00	ATB-0525-00



## MULTI-UNIT ABUTMENT (MUA), STRAIGHT

Used to secure multi-unit screw-retained prosthetics. Straight MUAs are self-retaining with the threaded shank on the abutment.

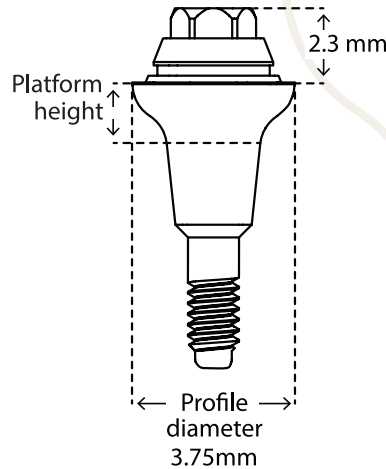


PLATFORM HEIGHT	300 series	400 series	500 series
0.5 mm	MUA-0305-00	MUA-0405-00	MUA-0505-00
1 mm	MUA-0310-00	MUA-0410-00	MUA-0510-00
2 mm	MUA-0320-00	MUA-0420-00	MUA-0520-00
3 mm	MUA-0330-00	MUA-0430-00	MUA-0530-00
4 mm	MUA-0340-00	MUA-0440-00	MUA-0540-00
5 mm	MUA-0350-00	MUA-0450-00	MUA-0550-00

Use the DEH-0910-32 MUA Driver to install.



Anodization for improved aesthetics.



### Specifications

Material: 6AL4V E.L.I. Titanium  
 Profile Diameter: 3.75 mm  
 Platform Heights (mm): .5, 1, 2, 3, 4, 5  
 Torque: 20 Ncm (300 Series)  
 30 Ncm (400 & 500 Series)

### MUA Accessories

See page 24 for details.



# MULTI-UNIT ABUTMENT (MUA), ANGLED

Use Angled MUAs for paralleling abutments in non-aligned implants. The Implant One MUA line has 17° and 30° angles available.



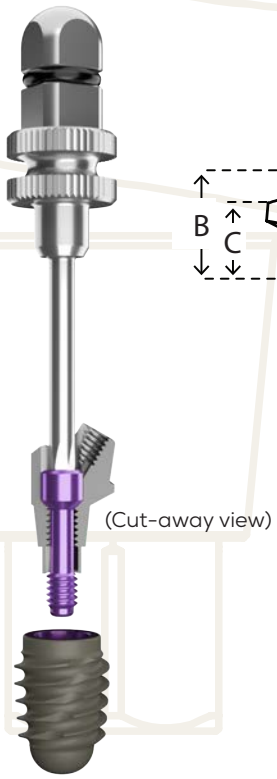
17° angle

30° angle

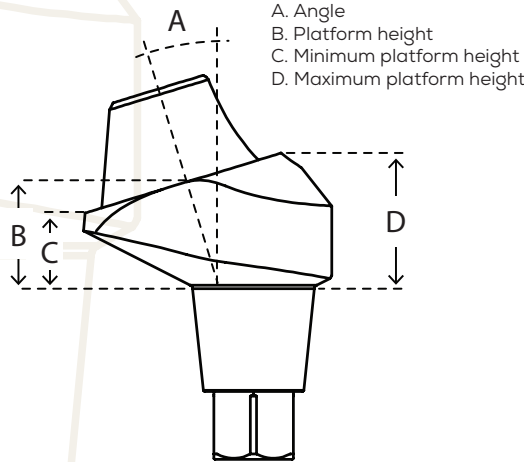
Angle  
Platform height  
Minimum platform height  
Maximum platform height

300 series	400 series	500 series	A	B (mm)	C (mm)	D (mm)
MUA-0325-17	MUA-0425-17	MUA-0525-17	17°	2.5	1.79	3.12
MUA-0335-17	MUA-0435-17	MUA-0535-17	17°	3.5	2.79	4.12
MUA-0325-30	MUA-0425-30	MUA-0525-30	30°	2.5	1.33	3.64
MUA-0335-30	MUA-0435-30	MUA-0535-30	30°	3.5	2.33	4.12

Install with an .050" driver.



(Cut-away view)



Specifications
Platform Heights: 2.5 mm & 3.5 mm
Angles: 17° & 30°

### MUA Accessories

See page 24 for details.





## SCAN BODY

The Implant One Scan Body is designed with specialized geometry that helps CAD software pinpoint the exact location of an Implant One implant, its timing, and its relationship to the arch form.

	300 series	400 series	500 series
<b>PART ID</b>	ASC-0300-00	ASC-0400-00	ASC-0500-00
<b>PROFILE DIAMETER</b>	3.5 mm	4.0 mm	4.0 mm

Compatible with **3shape**® **exocad**®

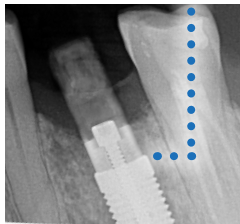
3Shape is a trademark of 3Shape A/S  
exocad is a trademark of exocad GmbH

Lower half made of titanium for durability and a temporary, yet secure, connection to the implant

PEEK Medical Grade Thermoplastic is easily imaged with a scanner

Designed to maximize scan accuracy

Proper seating can be radiographically verified – a must for sub-crestal implant placement.



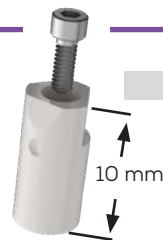
Specifications
Scannable Material: PEEK Medical Grade Thermoplastic
Connection Material: 6AL4V E.L.I. Titanium and Body
Height: 9.5 mm
Profile Diameter: 3.5 mm or 4 mm

### MUA Scan Body

Provides the same scanner visibility as above for Multi-Unit Abutments.

MUA-0345-SB

Made of PEEK Medical Grade Thermoplastic



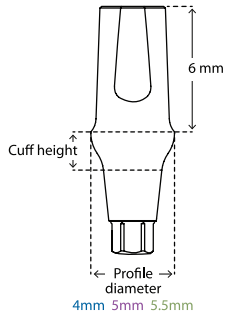
Requires one of these MUA Accessory Torque Drivers



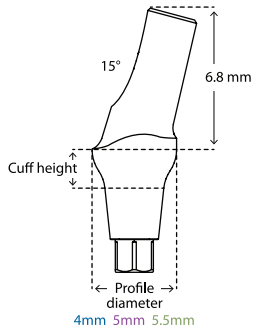
TDB-0060-24 TDB-0060-28

# STANDARD ABUTMENT

Standard abutments have a hexagonal male end for abutment orientation, are screw retained and may be modified by the dental laboratory. Standard abutments are offered straight or with a 15° angle.



300 series		
HEIGHT	0° angle	15° angle
0.5 mm	APT-0305-00	APT-0305-15
1 mm	APT-0310-00	APT-0310-15
2 mm	APT-0320-00	APT-0320-15
3 mm	APT-0330-00	APT-0330-15
4 mm	APT-0340-00	APT-0340-15
5 mm	APT-0350-00	APT-0350-15
PROFILE DIAMETER	4 mm	



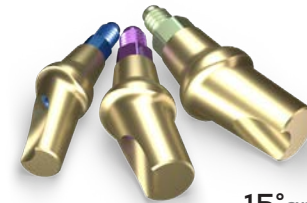
400 series		
HEIGHT	0° angle	15° angle
0.5 mm	APT-0405-00	
1 mm	APT-0410-00	APT-0410-15
2 mm	APT-0420-00	APT-0420-15
3 mm	APT-0430-00	APT-0430-15
4 mm	APT-0440-00	APT-0440-15
5 mm	APT-0450-00	
PROFILE DIAMETER	5 mm	

500 series		
HEIGHT	0° angle	15° angle
0.5 mm	APT-0505-00	
1 mm	APT-0510-00	APT-0510-15
2 mm	APT-0520-00	APT-0520-15
3 mm	APT-0530-00	APT-0530-15
4 mm	APT-0540-00	APT-0540-15
5 mm	APT-0550-00	
PROFILE DIAMETER	5.5 mm	

Specifications
Material: 6AL4V E.L.I. Titanium
Profile Diameters (mm): 4, 5, 5.5
Platform heights (mm): .5, 1, 2, 3, 4, 5
Angles: 0°, 15°



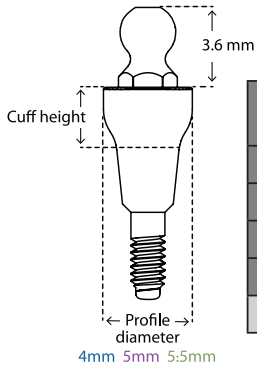
0° angle



15° angle

## BALL ABUTMENT

Ball abutments are a one piece abutments without orientation used for implant-retained soft tissue supported restorations. Using Rhein83 ([rhein83usa.com](http://rhein83usa.com)) 2.5mm attachments, ball abutments provide optimal retention for every individual patient.



PLATFORM HEIGHT	300 series	400 series	500 series
2 mm	ABL-0320-00	ABL-0420-00	ABL-0520-00
3 mm	ABL-0330-00	ABL-0430-00	ABL-0530-00
4 mm	ABL-0340-00	ABL-0440-00	ABL-0540-00
5 mm	ABL-0350-00	ABL-0450-00	ABL-0550-00
PROFILE DIAMETER	4 mm	5 mm	5.5 mm



Ball compatible with Rhein83 2.5mm components.

Use the Ball Abutment Driver to attach ball abutments to implants



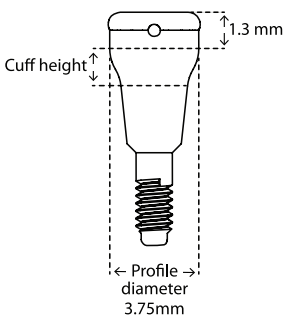
DEH-0000-00

### Specifications

Material: 6AL4V E.L.I. Titanium  
 Profile Diameters (mm): 4, 5, 5.5  
 Platform heights (mm): 2, 3, 4, 5  
 Maximum torque: 20Ncm 300 Series  
 30Ncm 400 & 500 Series

## POSITIONER DENTURE RETAINING ABUTMENT

Abutments for retaining overdenture restorations. Retention inserts sold separately.



PLATFORM HEIGHT	300 series	400 series	500 series
0.5 mm	ALR-0305-00	ALR-0405-00	ALR-0505-00
1 mm	ALR-0310-00	ALR-0410-00	ALR-0510-00
2 mm	ALR-0320-00	ALR-0420-00	ALR-0520-00
3 mm	ALR-0330-00	ALR-0430-00	ALR-0530-00
4 mm	ALR-0340-00	ALR-0440-00	ALR-0540-00
5 mm	ALR-0350-00	ALR-0450-00	ALR-0550-00
6 mm	ALR-0360-00	ALR-0460-00	ALR-0560-00
7 mm	ALR-0370-00	ALR-0470-00	ALR-0570-00



Gold anodization for superior aesthetics.



DLR-0345-00

Use the Positioner Driver to attach to the implant.

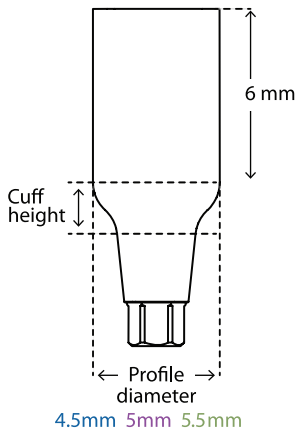
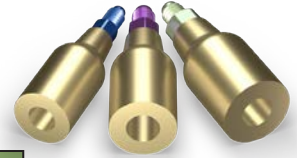
### Specifications

Material: 6AL4V E.L.I. Titanium  
 Profile Diameter: 3.75 mm  
 Platform heights (mm): .5, 1, 2, 3, 4, 5, 6, 7  
 Maximum torque: 20Ncm 300 Series  
 30Ncm 400 & 500 Series



## WIDE POST ABUTMENT

Wide Post Abutments are designed for being manually customized by dental laboratories for patient specific abutments.

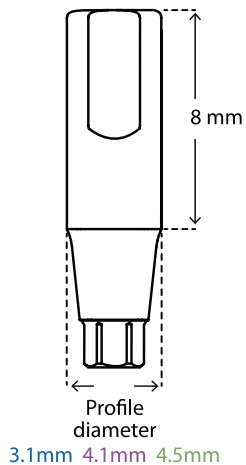
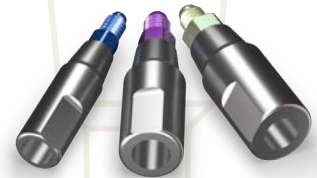


PLATFORM HEIGHT	300 series	400 series	500 series
0.5 mm	AWP-0305-00	AWP-0405-00	AWP-0505-00
1 mm	AWP-0310-00	AWP-0410-00	AWP-0510-00
2 mm	AWP-0320-00	AWP-0420-00	AWP-0520-00
3 mm	AWP-0330-00	AWP-0430-00	AWP-0530-00
4 mm	AWP-0340-00	AWP-0440-00	AWP-0540-00
5 mm	AWP-0350-00	AWP-0450-00	AWP-0550-00
PROFILE DIAMETER	4.5 mm	5 mm	5.5 mm

Specifications
Material: 6AL4V E.L.I. Titanium Profile Diameters: 4.5 mm, 5 mm, 5.5 mm Platform heights (mm): .5, 1, 2, 3, 4, 5

## STRAIGHT ABUTMENT

Straight abutments are ideal for placement in narrow spacing areas. The top of the abutment is thinner than on the standard abutment. Straight abutments can be prepped and fitted with a custom crown.



300 series	400 series	500 series
AST-0300-00	AST-0400-00	AST-0500-00
3.1 mm	4.1 mm	4.5 mm

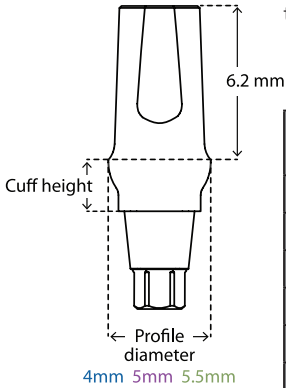
Specifications
Material: 6AL4V E.L.I. Titanium Profile Diameters: 3.1 mm , 4.1 mm, 4.5 mm Height from top of implant to top of abutment: 8 mm Maximum torque: 20Ncm 300 Series 25Ncm 400 & 500 Series





## TEMPORARY ABUTMENT

Temporary abutments are designed to be temporarily seated with temporary attachment or crown while the final restoration is being made.



PLATFORM HEIGHT	300 series	400 series	500 series
0.5 mm	ATM-0305-00	ATM-0405-00	ATM-0505-00
1 mm	ATM-0310-00	ATM-0410-00	ATM-0510-00
2 mm	ATM-0320-00	ATM-0420-00	ATM-0520-00
3 mm	ATM-0330-00	ATM-0430-00	ATM-0530-00
4 mm	ATM-0340-00	ATM-0440-00	ATM-0540-00
5 mm	ATM-0350-00	ATM-0450-00	ATM-0550-00



Specifications
Material: 6AL4V E.L.I. Titanium Profile Diameters (mm): 4, 5, 5.5 Platform heights (mm): .5, 1, 2, 3, 4, 5

## IMPLANT ONE ABUTMENT SCREWS

Every Implant One abutment includes the screw for seating the abutment into the implant. The screws provide a secondary level of security beyond the morse taper connection, which does most of the work of holding the abutment in place. Individual screws are available for purchase.

Specifications
Material: 6AL4V E.L.I. Titanium Diameter: 1.1 mm - 1.4 mm Height: 9.6 mm Interface: .050" hex Maximum Torque: 20 Ncm (300 Series) 30 Ncm (400 & 500 Series)

300 Series HHS-0300-00    400 Series HHS-0400-00    500 Series HHS-0500-00



When turning the screw into the implant, the screw should turn 5 to 6 turns for proper thread engagement. Do not exceed specified maximum torque.

The tip of the abutment screw should protrude approximately 2.5mm (5 to 6 exposed threads).





IMPLANT  
— ONE —



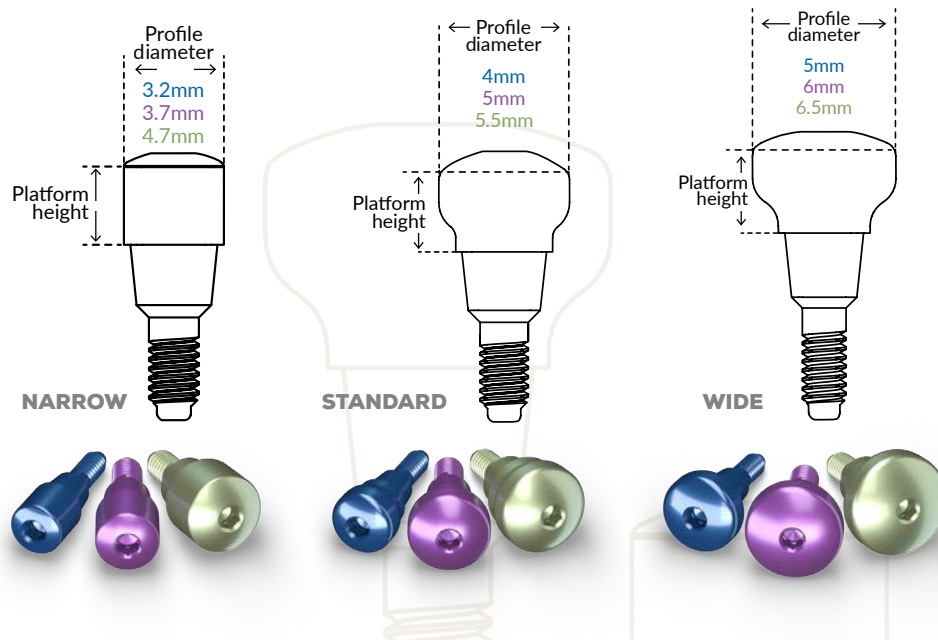
IMPLANT **ACCESSORIES:**



- 300
- 400
- 500

# IMPLANT ONE HEALING CAPS *(Healing Abutments, Tissue Formers)*

Used for tissue forming during the gingival healing period.



Healing Cap 300 series			
PLATFORM HEIGHT	NARROW	STANDARD	WIDE
1 mm	HCN-0310-00	HCS-0310-00	
2 mm	HCN-0320-00		
3 mm	HCN-0330-00	HCS-0330-00	HCW-0330-00
5 mm	HCN-0350-00	HCS-0350-00	HCW-0350-00
7 mm	HCN-0370-00		
PROFILE DIAMETER	3.2 mm	4 mm	5 mm

Specifications
Material: 6AL4V E.L.I. Titanium
Profile Diameter: 3.2 mm - 6.5 mm
Platform Heights (mm): 1, 2, 3, 4, 5, 6, 7
Maximum Torque: 6 Ncm

Healing Cap 400 series			
PLATFORM HEIGHT	NARROW	STANDARD	WIDE
1 mm	HCN-0410-00	HCS-0410-00	
2 mm	HCN-0420-00		
3 mm	HCN-0430-00	HCS-0430-00	HCW-0430-00
5 mm	HCN-0450-00	HCS-0450-00	HCW-0450-00
7 mm	HCN-0470-00		
PROFILE DIAMETER	3.7 mm	5 mm	6 mm

Healing Cap 500 series			
PLATFORM HEIGHT	NARROW	STANDARD	WIDE
1 mm	HCN-0510-00	HCS-0510-00	
2 mm	HCN-0520-00		
3 mm	HCN-0530-00	HCS-0530-00	HCW-0530-00
5 mm	HCN-0550-00	HCS-0550-00	HCW-0550-00
7 mm	HCN-0570-00		
PROFILE DIAMETER	4.7 mm	5.5 mm	6.5 mm

## CLOSED TRAY IMPRESSION POST *(Impression Pin, Impression Coping)*

Used to make a closed tray impression. See page 37 for procedure.

Plastic cap prevents impression material from entering access hole. It remains in the impression when post is removed, which provides a firm seat for the coping after curing.

Flat face will be parallel with implant hex flat when properly seated.

**WHEN FULLY SEATED, POST WILL SIT FLUSH ON TOP OF THE IMPLANT.**

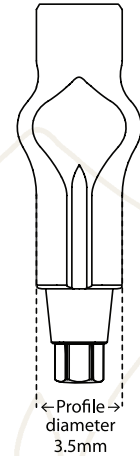


Specifications	
Material: 6AL4V E.L.I. Titanium	
Profile Diameter: 3.5 mm	

300 series	400 series	500 series
IPC-0300-00	IPC-0400-00	IPC-0500-00

Replacement Caps For Closed Tray Impression Posts

Pack of 10  
IPC-1 X 10

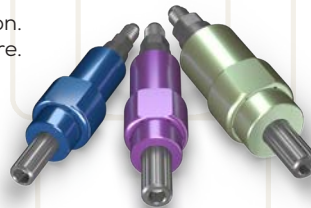


## OPEN TRAY IMPRESSION POST

Two-piece post used to make an open tray impression. See page 38 for procedure.

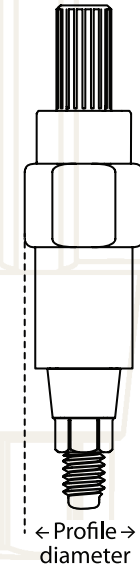
Center pin secures post to implant.

The post body remains lodged in the cured impression material after removal of the center pin.



	300 series	400 series	500 series
	IPO-0300-00	IPO-0400-00	IPO-0500-00
PROFILE Ø	5.3 mm	5.3 mm	6.3 mm

Specifications
Material: 6AL4V E.L.I. Titanium
Profile Diameters: 5.3 mm / 6.3 mm



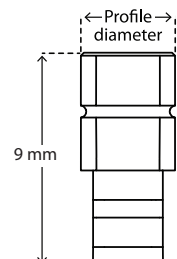
## ANALOG

Used in the dental laboratory to represent the implant connection. Suitable for both digital and traditional model workflows.



Specifications
Material: 6AL4V E.L.I. Titanium
Length: 9 mm
Profile Diameters: 3.5/4.0/4.7 mm

	300 series	400 series	500 series
	ALG-0300-09	ALG-0400-09	ALG-0500-09
PROFILE Ø	3.5 mm	4 mm	4.7 mm





# MUA ACCESSORIES

FOR ALL SERIES 300, 400 & 500 MULTI-UNIT ABUTMENTS



**Healing Cap**

Placed on top of Multi-Unit Abutments during the gingival healing period.

MUA-0345-HC



**Placement Tool**

Assists placement of all angled Multi-Unit Abutments.

MUA-0345-PT



**Open Tray Impression**

MUA-0345-IP



**Closed Tray Impression**

IPC-0345-00



**Analog**

Used in the dental laboratory to represent the MUA connection. New design includes a gingival mask retention

ALG-0345-00



**Digital Scan Body**

Attaches to the MUA for digital optical scans.

MUA-0345-SB



**Ti-base**

Used by labs to make screw-retained connections to

MUA-0345-TB

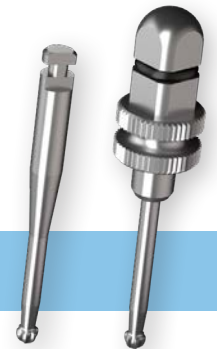


**Verification Cylinder**

Used for temporary restorations and verification jigs.

MUA-0345-VC

**Accessory Torque Drivers**  
#6 Hexalobular

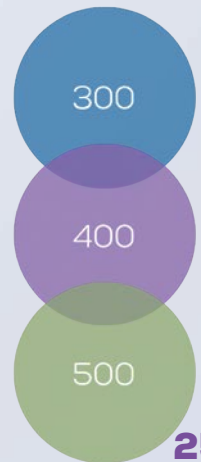
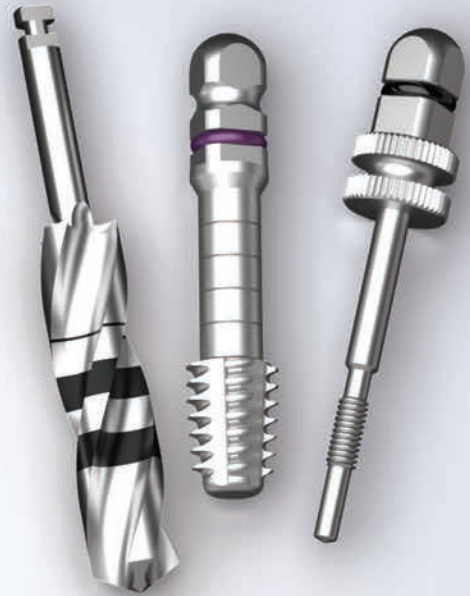
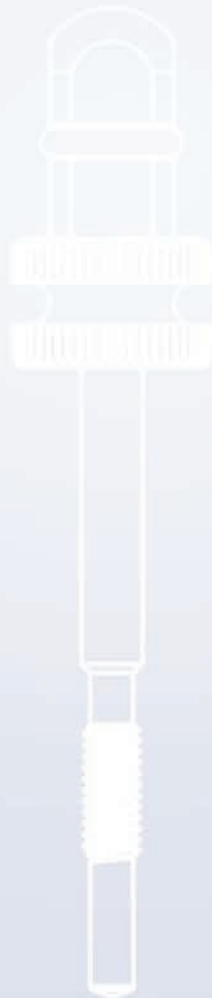


**REQUIRED FOR THESE ACCESSORIES**

TDB-0060-24 TDB-0060-28



SURGICAL & RESTORATIVE **TOOLS:**



# SURGICAL KIT

KIT-SUIN-00

For use with  
300-400-500 Series



Ratchet

Spare tool slots



Knurled Tapered  
.050 Driver  
HDT-5050-02



Thumb Knob  
ADP-THMK-00



Implant Drivers (latch style)

DIH-0310-00 DIH-0410-00 DIH-0510-00

300 400 500



Implant Drivers (ratchet style)

DIM-0310-00 DIM-0410-00 DIM-0510-00



Parallel Pins  
PLP-2030-00



Tapered .050  
Driver (square  
ratchet style)  
HDT-0050-00



Square Ratchet  
Adapter  
ADP-RCHT-00



Tapered .050 Driver  
(latch style)  
HDT-0050-01



Hand Piece Adapter  
ADP-HNDP-00



**DRILL KIT**

KIT-SUDR-00



Pilot Drills



DRS-2008-00 DRS-2015-00

These Implants:



Use:

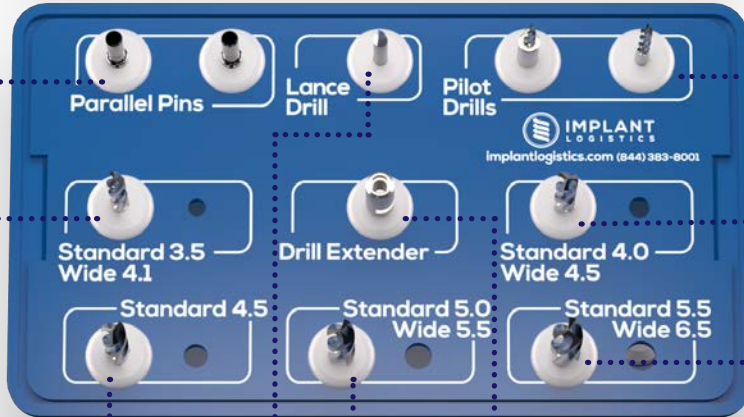


DRS-3520-00

Parallel Pins



PLP-2030-00



These Implants:



Use:



DRS-3020-01

Lance Drill



DRS-LANC-00

Drill Extender



DEX-6200-00

These Implants:



Use:



DRS-5020-00

This Implant:



Use:



DRS-4020-00

These Implants:



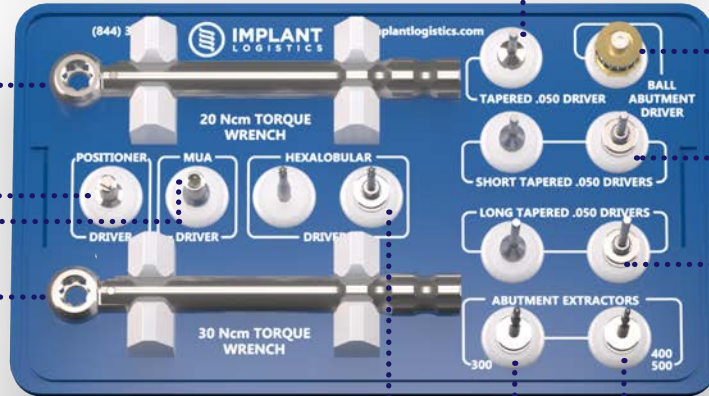
Use:



DRS-4520-00

# RESTORATIVE KIT

KIT-REIN-00



20 Ncm Torque Wrench  
for Series 300 Abutments  
TWB-3000-20



Positioner Denture  
Retaining Abutment  
Driver  
DLR-0345-00



MUA Driver  
DEH-0910-32

30 Ncm Torque Wrench  
for Series 400 & 500  
Abutments  
TWB-4500-30



Knurled Tapered  
.050 Driver  
HDT-5050-02



Ball Abutment  
Driver  
DEH-0000-00

Hexalobular Drivers for MUA attachments



TDB-0060-24 TDB-0060-28



Abutment Extractors



EXT-0080-00 for Series 300  
abutments



EXT-0172-00 for Series 400 &  
500 abutments

Long Tapered .050 Drivers



HDT-0050-01 HDT-0050-00



Short Tapered  
.050 Drivers



HDT-0050-S0



HDT-0050-S1





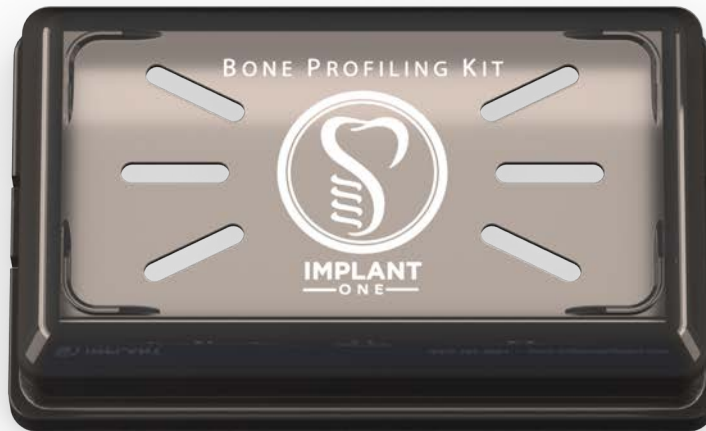
## BONE PROFILING KIT

KIT-BOPR-00

Compatible with all  
Implant One Series

The Implant One Bone  
Profiler Tools aid in  
uncovering an implant  
after the healing period  
and prior to restoration.

See page 40 for the  
Bone Profiling procedure



Drill Extender



DEX-6200-00

Bone Profilers



BP100  
3.5mm



BP200  
4.5mm



BP300  
5.6mm

Guide Pins



GP100  
Series 100



GP200  
Series 200



GP300  
Series 300



GP400  
Series 400

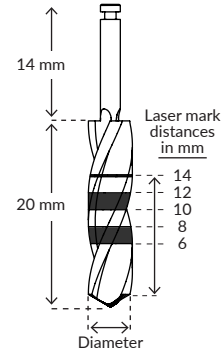


GP500  
Series 500

IMPLANT ONE SERIES  
300 400 500

# DRILLS

3-fluted drills engineered for efficiency and bone health.



## IMPLANT-DRILL PAIRING CHARTS

Recommended final drills for Implant One implants

DRILL	STANDARD IMPLANTS			WIDE IMPLANTS		
	300 series	400 series	500 series	300 series	400 series	500 series
	IMPLANT DIAMETER (mm)					
DRS-3020-01 (3.0mm)	3.5			4.1		
DRS-3520-00 (3.5mm)		4.0		4.5		
DRS-4020-00 (4.0mm)		4.5				
DRS-4520-00 (4.5mm)			5.0		5.5	
DRS-5020-00 (5.0mm)			5.5			6.5

## DRILL ACCESSORIES

**Drill Extender** Extends reach of drill by 17 mm.



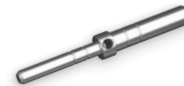
DEX-6200-00

**Lance Drill** Use to create a purchase at the implant site.



DRS-LANC-00

**Parallel Pin** Use for angulation verification of osteotomies.



PLP-2030-00



## IMPLANT DRIVERS

Used to drive Implant One implants. PEEK insert facilitates placement of implants directly from packaging. See page 9 for more information.

DRIVER	300 series	400 series	500 series
Latch Style	DIH-0310-00	DIH-0410-00	DIH-0510-00
Ratchet Style	DIM-0310-00	DIM-0410-00	DIM-0510-00



## ABUTMENT DRIVERS

### MUA Driver

Used for seating MUA.



DEH-0910-32

### MUA Accessory Torque Drivers

#6 hexalobular ball, required for MUA accessories.



TDB-0060-24

TDB-0060-28

### Positioner Driver

For securing Positioner Denture Retaining Abutments.



DLR-0345-00

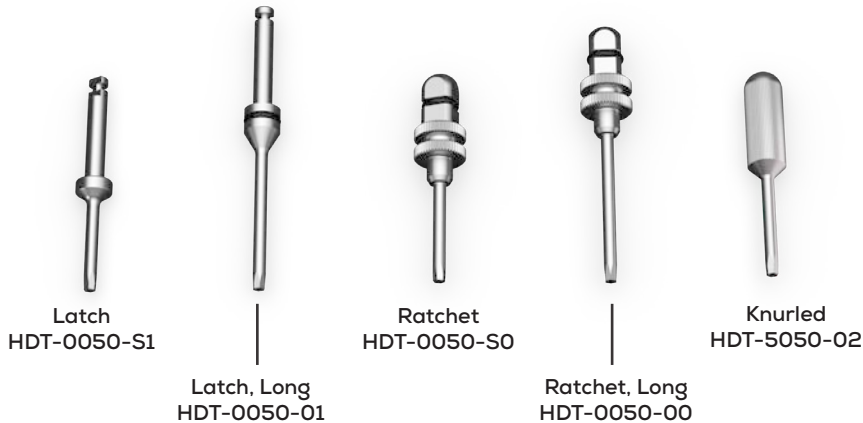
### Ball Abutment Driver



DEH-0000-00

## .050" DRIVERS

Tapered .050" drivers used to replace and remove cover screws, healing caps and most abutments.



## BONE PROFILERS & GUIDE PINS

**Bone Profilers** safely remove soft and hard tissue that has grown over the top of the implant during integration, thus allowing abutments to be fully seated.



**Guide pins** guide the bone profilers in the proper orientation and stop them at the correct depth. Also available for the previous generation Series 100 and 200.



See page 40 for procedure information.

## WRENCHES

**Ratchet**  
Manual ratchet for driving implants, abutments, screws, and accessories.



RWA-0000-00

### Breakaway Torque Wrenches

Specifically designed for installing Implant One abutments. The heads disengage when the pre-calibrated torques are met.



**300** TWB-3000-20 Calibrated to 20 Ncm for use with Implant One 300 Series abutments.

**400 500** TWB-4500-30 Calibrated to 30 Ncm for use with Implant One 400 and 500 Series abutments.

## ABUTMENT EXTRACTORS

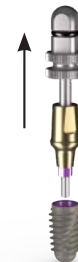
Specially-designed extractors release the Morse taper implant-abutment connection to allow removal and replacement of Implant One abutments.

See page 45 for procedure information.

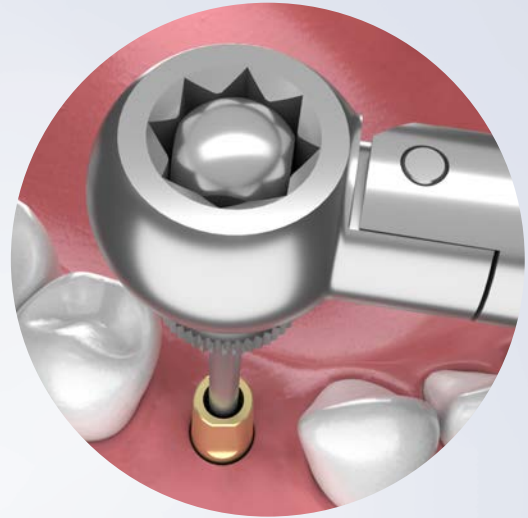


**300** EXT-0080-00 for Implant One 300 Series abutments.

**400 500** EXT-0172-00 for Implant One 400 and 500 Series abutments.



**PROCEDURES:**



**IMPLANT SURGICAL PROCEDURE**

**SCAN BODY**

**CLOSED TRAY IMPRESSIONS**

**OPEN TRAY IMPRESSIONS**

**PLACEMENT OF HEALING CAP**

**BONE PROFILER TOOL**

**PLACEMENT OF MULTI-UNIT ABUTMENT**

**PLACEMENT OF ABUTMENT AND CEMENT  
RETAINED RESTORATION**

**PLACEMENT OF DENTURE RETAINING ABUTMENT**

**PLACEMENT OF BALL ABUTMENT AND RESTORATION**

**RHEIN83 RETENTIVE CAPS**

**ABUTMENT REMOVAL**

300

400

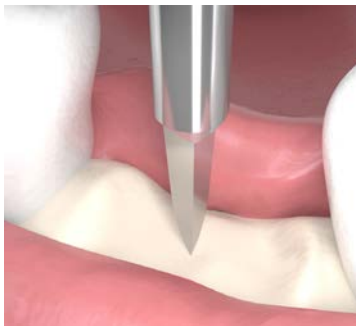
500



## SURGICAL PROCEDURE



**1** Make a full-thickness flap of the soft tissues to access the bone ridge.



**2** Use the lance drill to mark the cortical bone for the subsequent drills.



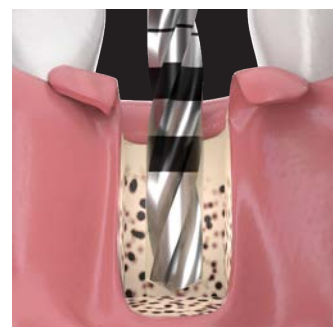
**3** Use a pilot drill to establish orientation and initial depth for the parallel pin.



**4** Use a parallel pin to evaluate parallelism with natural teeth or other adjacent implant sites.



**5** Take an x-ray with the parallel pin inserted into the osteotomy to verify parallelism.



**6** Widen the diameter of the implant site using sequential drills of increasing diameter. The drill depth should correspond to the length of the selected implant.

## FINAL PLACEMENT OF IMPLANT



**1** Remove the tray from the implant box, and peel back the tray cover, exposing the implant container.



**2** Remove the implant container from the tray, and then remove its cap.



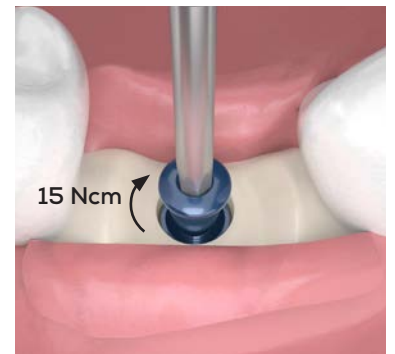
**3** Firmly press the implant driver (handpiece or ratchet) into the implant until it clicks. Then pull the implant out of the container. Be sure to use the driver that matches the series of the implant.



**4** Carefully rotate the implant into the osteotomy. The depth marks on the driver help you to gauge when you have reached the depth determined by the surgical plan. Do not exceed the maximum torque of 60 Ncm.



**5** If installing a cover screw, press an .050 Hex Driver from the Surgical Kit into the supplied cover screw, then lift it out of the container.



**6** Drive the cover screw or healing cap into the implant to a maximum torque of 15 Ncm or finger tighten. Close and suture if needed.

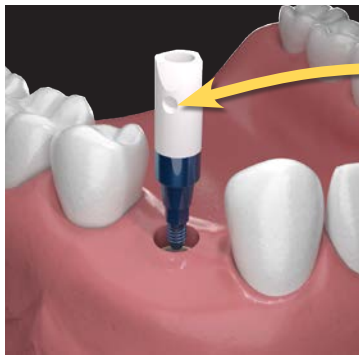


Alternatively, an .050 Hex Driver can be used to install a healing cap.

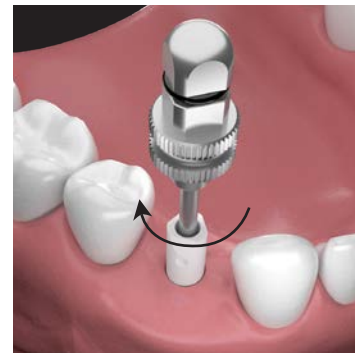


## IMPLANT ONE SCAN BODY PROCEDURE

The Implant One Scan Body is designed with specialized geometry that helps CAD software pinpoint the exact location of an Implant One implant, its timing, and its relationship to the arch form. Follow the steps below to ensure the most accurate scans for your patients' restorations.



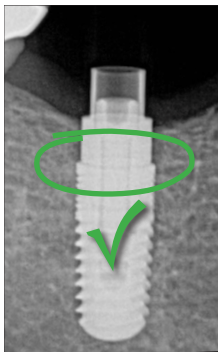
**IMPORTANT:**  
The dimple must face the buccal or the facial in order to get an acceptable scan.



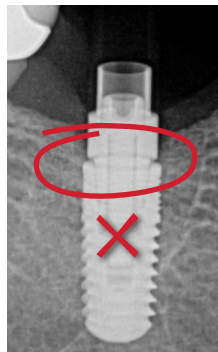
**1** Place the scan body into the implant or analog. The scan body's series and the implant's series must match, e.g., 300 Series to 300 Series.

**2** Finger tighten the abutment screw with an Implant One tapered .050" hex driver.

**SEATED**



**NOT-SEATED**



**3** Take an X-ray to confirm proper seating of the scan body (intraoral only). There should be no gap between the implant and the scan body.

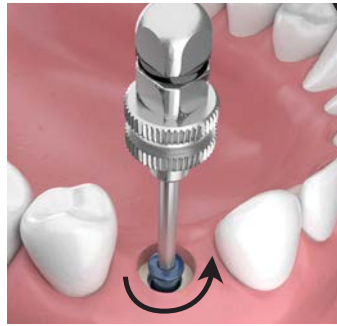


**4** Take the optical scan with the scan body properly installed.

## CLOSED TRAY IMPRESSIONS



**1** Remove tissue over the implant using a tissue punch or surgical blade.



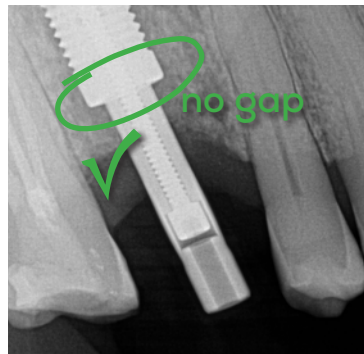
**2** Remove cover screw with the .050 hex tool.



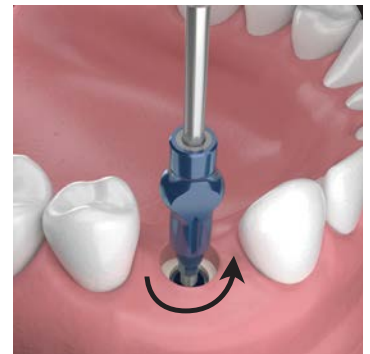
**3** Use the Bone Profiler Kit to remove excess bone and tissue that has grown over the top of the implant. See page 40.



**4** Align the appropriate series impression post into the implant. The impression post has a hex on the bottom which will fit into the internal hex in the implant. Finger tighten with .050 hex tool.



**5** X-ray to verify proper seating of the impression post. There should be no gap between the implant and the impression post.



**6** After impression is complete, use the .050 Hex Driver to turn the screw counter clockwise to remove the impression post from the implant. Send impression and impression post to the laboratory.

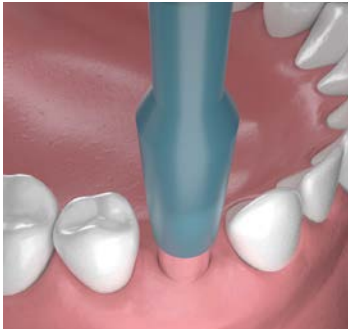
If you decide to place the impression post back in the impression, attach an analog, or let the laboratory do that step.



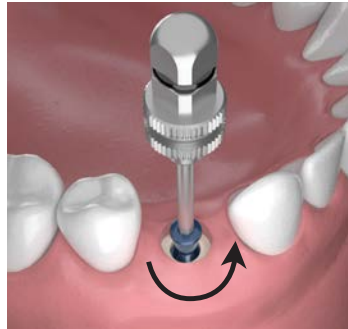
**7** Place a healing cap or temporary abutment with restoration on the implant while final restoration is being fabricated.

*Products illustrated in this procedure:  
IPC-0300-00 closed tray impression post,  
HCS-0330-00 healing cap, IR3-3508-00 implant,  
HDT-0050-00 hex driver*

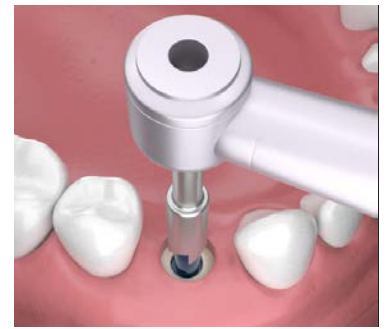
## OPEN TRAY IMPRESSIONS



**1** Remove tissue over the implant using a tissue punch or surgical blade.



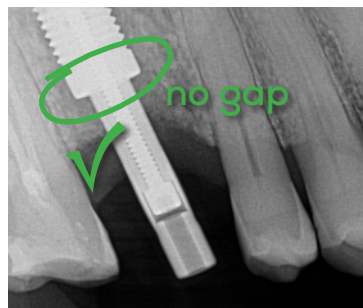
**2** Remove cover screw with the .050 Hex Driver.



**3** Use the Bone Profiler Kit to remove excess bone and tissue that has grown over the top of the implant. See page 40.



**4** Align the appropriate series impression post into the implant. The impression post has a hex on the bottom which will fit into the internal hex in the implant. Finger tighten with .050 hex tool.



**5** X-ray to verify proper seating of the impression post. There should be no gap between the implant and the impression post.

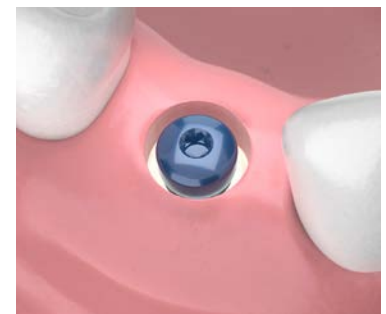
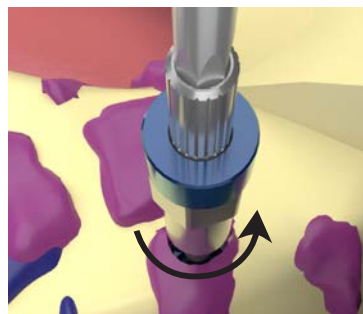


**6** Customize the open tray so the impression post sticks out through the tray during the impression. Take the impression.

**7** After impression is complete, use the .050 hex tool to turn the screw counter-clockwise to remove the center pin of the impression post. Remove the tray and impression post as one unit, and send to the laboratory.



*impression post will be captured in impression*

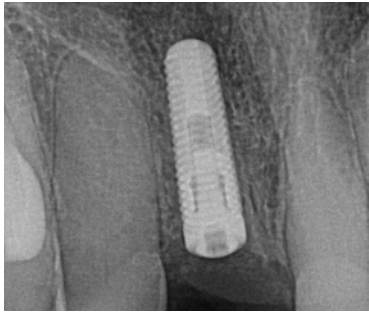


**8** Place a healing cap or temporary abutment with restoration on the implant while final restoration is being fabricated.

**38** Products illustrated in this procedure: IR3-3508-00 implant, HDT-0050-00 hex driver, IPO-0300-00 open tray impression post, HCS-0330-00 healing cap



## PLACEMENT OF HEALING CAP *(Healing Abutment, Tissue Former)*



**1** X-ray to verify implant has appropriate integration.



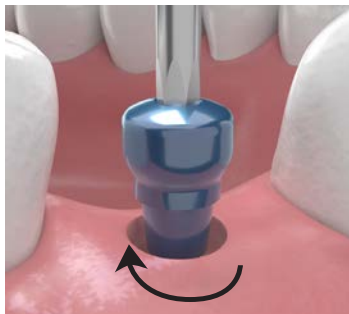
**2** Use biopsy punch or surgical blade to expose the cover screw of the implant.



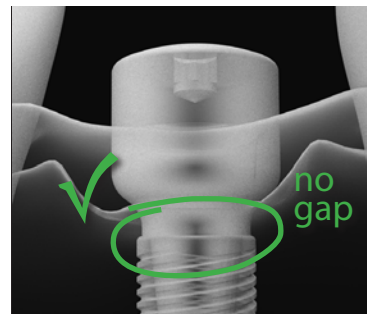
**3** Remove cover screw with the .050 hex tool.



**4** Use bone profiler if needed. See page 40.

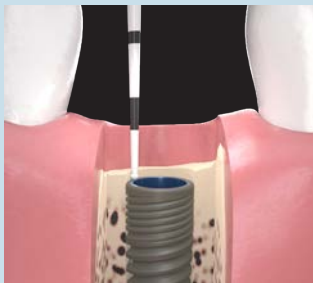


**5** Place the appropriate healing cap (see below) to aid in the tissue development and emergence profile for the final restoration. Tighten to 10Ncm or finger tight.

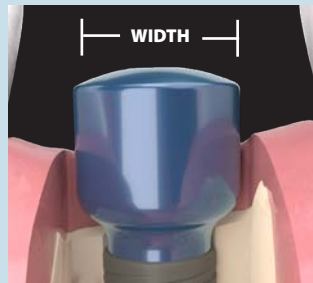


**6** X-ray to verify the healing cap is fully seated.

### Determining Appropriate Platform Height and Width



Platform height: Measure from the top of the implant to the top of the tissue and add 1 mm.



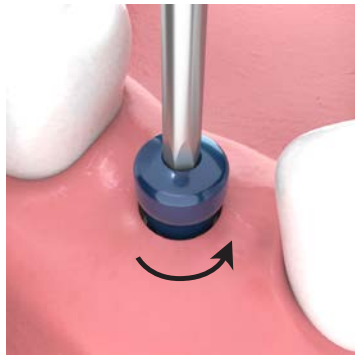
Width: Determined by the emergence profile the doctor is trying to develop in the soft tissue.

Molars will have a significantly wider emergence profile than an anterior tooth.

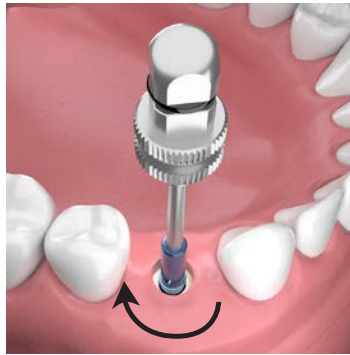
If implant is sub-crestal, use a narrow healing cap as it will not interfere with the adjacent bone when seating.

## IMPLANT ONE BONE PROFILING

Sub-crestal placement of implants usually results in bone and soft tissue growing over the top of the implant during the integration period. The Implant One Bone Profiler tools safely remove this growth in order to thoroughly expose the implant for restoration. Made of Stainless Steel.



**1** Remove the cover screw or healing cap.



**2** Install the guide pin which matches the implant's platform using an .050" Hex Driver.



**3** The profiler slides over the guide pin.



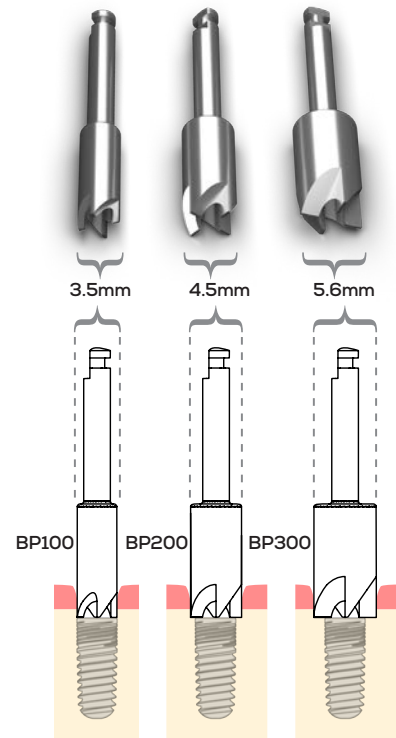
**4** With a handpiece, rotate the profiler to cut away excess bone and tissue that has grown over the top of the implant. Remove the guide pin and continue with restoration.

The guide pins are color coded for each of the Implant One platforms.



GP300 GP400 GP500

The profilers are available in 3 sizes, to facilitate different emergence profiles.



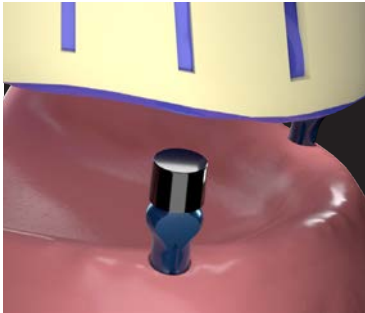
Guide pins also available for previous generation Series 100 and 200



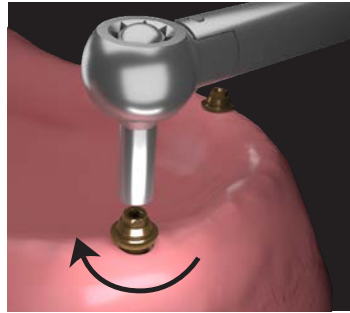
## PLACEMENT OF MULTI-UNIT ABUTMENT *(MUA, transmucosal)*

Multi-unit Abutments are used to secure multi-unit screw-retained prosthetics in one of the following case types:

1. Attaching Zirconia hybrid prosthetics.
2. Retrofitting a pre-made denture following immediate placement and immediate load of a temporary/healing prosthesis. These healing appliances and attachments are generally replaced with the final prosthesis following implant integration.
3. Attaching a milled or cast titanium bar which supports a denture type restoration attached to the metal substructure.

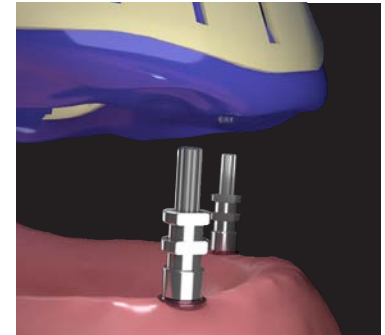


**1** Take an implant level impression using standard impression posts. Send impression to the laboratory for them to pick the correct Multi-unit Abutments and make a customized open tray.



**2** APPT 2: When case is returned from the laboratory, remove healing caps, insert abutments, and drive them into the implants using the DEH-0910-32 Abutment Driver and a torque wrench.

*Torque specifications: 300  
Series: 20 Ncm, 400 & 500  
Series: 30Ncm*



**3** Using the custom tray, take a second impression with the MUA-0345-IP Impression Copings over the abutments. Send impression to the laboratory for master cast, base plate and wax rims for jaw relations.

**4** APPT 3: When case is returned from the laboratory use the base plate and wax rims to register jaw relations. Send to laboratory.



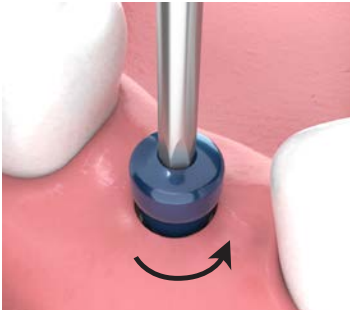
**5** APPT 4: When case is returned from the laboratory, try in the polymethylmethacrylate (PMMA) setup. Make adjustments as necessary during the temporary period (6 weeks recommended).

After the adjustments have been made and appliance is satisfactory, remove appliance and return to laboratory for scan of the modified appliance and creation of new final appliance.

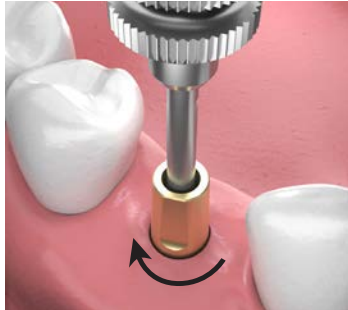


**6** APPT 5: When final appliance is returned, insert prosthesis and tighten sleeve screws to 20 Ncm.

## PLACEMENT OF ABUTMENT AND CEMENT RETAINED RESTORATION



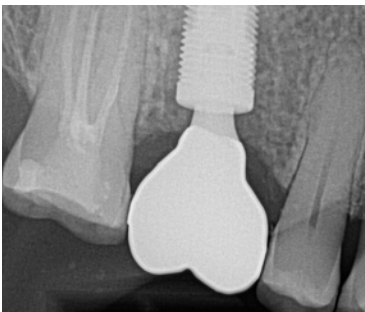
**1** Use an .050 Hex Driver to turn the healing cap counterclockwise and remove it.



**2** Insert the final abutment into the implant using the proper orientation. Tighten to finger tight.



**3** Try on the final restoration.

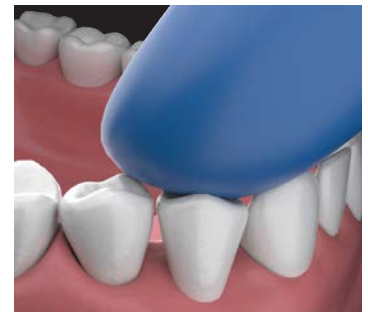


**4** Verify proper fit of restoration, proper contacts, proper occlusion. Take an x-ray to verify restoration is fully seated.



**5** Remove the restoration and tighten the abutment with a torque wrench.

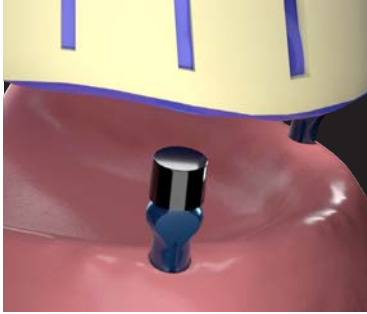
*Torque specifications:  
300 Series: 20 Ncm  
400 & 500 Series: 30Ncm*



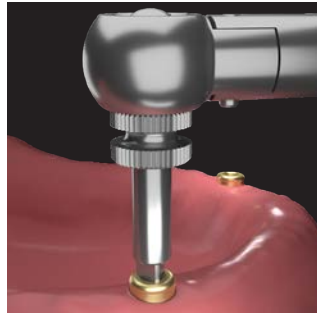
**6** Cement the crown over the abutment. Remove excess cement.

## PLACEMENT OF POSITIONER DENTURE RETAINING ABUTMENT

Denture Retaining Abutments are used to secure removable denture prosthetics.

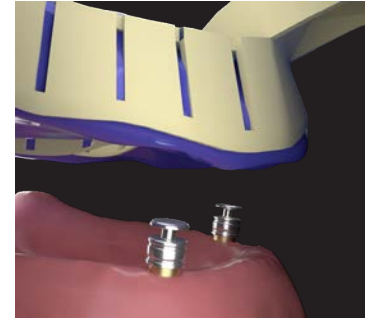


**1** Take an implant level impression using standard impression posts. Send impression to the laboratory for them to pick the correct abutments and make a customized tray.



**2** APPT 2: When case is returned from the laboratory, remove healing caps, insert abutments, and drive them into the implants using the DLR-0345-00 Abutment Driver and a torque wrench.

*Torque specifications:  
 300 Series: 20 Ncm  
 400 & 500 Series: 30Ncm*



**3** Using the custom tray, take a second impression with the appropriate impression copings over the abutment. Send impression to the laboratory for master cast, base plate and wax rims for jaw relations.

**4** APPT 3: When case is returned from the laboratory use the base plate and wax rims to register jaw relations. Send to laboratory.



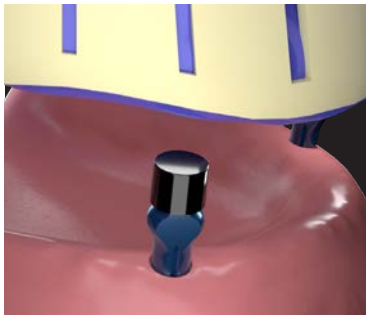
**5** APPT 4: When case is returned from the laboratory, try in denture setup. Make adjustments as necessary before processing final restoration.

**6** APPT 5: When final denture is returned, insert appliance, adjust occlusion, retention caps and denture base as necessary.

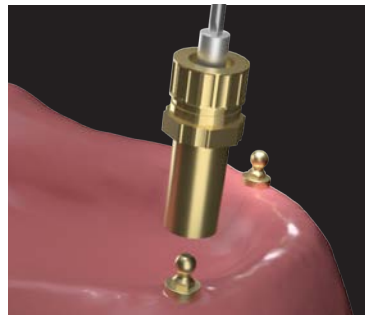


## PLACEMENT OF BALL ABUTMENT AND RESTORATION

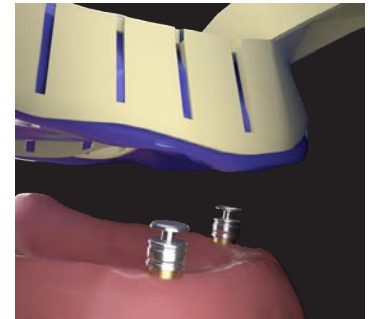
Ball Abutments are used to secure removable denture prosthetics.



**1** Take an implant level impression using standard impression posts. Send impression to the laboratory for them to pick the correct ball abutments and make a customized tray.



**2** APPT 2: When case is returned from the laboratory, remove healing caps, insert abutments, and drive them into the implants using the DEH-0000-00 Ball Abutment Driver and a torque wrench.  
*Torque specifications:*  
 300 Series: 20 Ncm  
 400 & 500 Series: 30Ncm



**3** Take a second impression using a custom tray, with abutments in place and Rhein Impression Transfers over the abutments. Send impression to the laboratory for master cast, base plate and wax rims for jaw relations.

**4** APPT 3: When case is returned from the laboratory use the base plate and wax rims to register jaw relations. Send to laboratory.



**5** APPT 4: When case is returned from the laboratory, try in denture setup. Make adjustments as necessary before processing final restoration.

**6** APPT 5: When final denture is returned insert appliance, adjust occlusion, retention caps and denture base as necessary.

### PLACEMENT OF RHEIN83 RETENTIVE CAPS

In a prosthesis with metal housings, remove caps using a rotary tool at a low RPM, or the Rhein83 cap removal tool. For all others, use a pointed instrument, such as a spatula, or the Rhein83 cap extractor tool.

Insert the new caps with the Rhein83 cap insertion tool. Green caps inserted in metal housings should have a drop of cyanoacrylic adhesive applied to the inside of the housing before insertion.

RHEIN83 RETENTIVE CAPS		
Cap Color Name		Retention
Clear		Standard
Pink		Soft
Yellow (Standard and Undersized Internal Diameter)		Extra Soft
Green		Very Elastic
Extra Resilient Gold		Slightly Elastic
Extra Resilient Silver		Elastic
Titan		Standard
Gray		Rigid

### Choosing Platform Height for Ball Abutments

Measure from the top of the implant to the top of the tissue and add 1 to 2 mm.

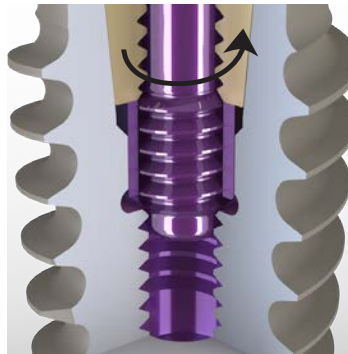


## ABUTMENT REMOVAL PROCEDURE

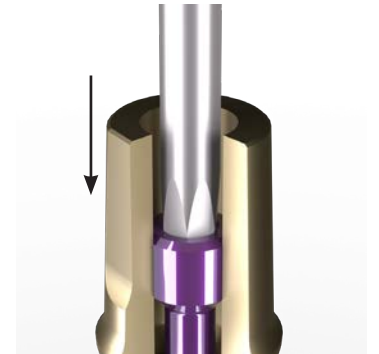
Permanent abutments are easily removed in the Implant One system with an abutment removal tool unique for a tapered implant connection.



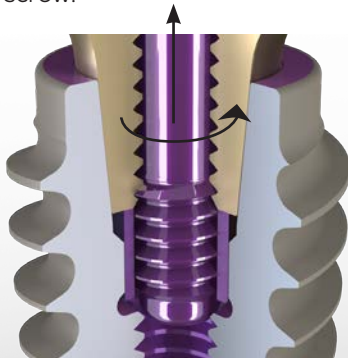
Using a .050 tapered hex driver, unscrew the fixation screw.



Continue turning the fixation screw counter-clockwise until it disengages the threads of the implant. You will feel it clicking when this happens.



Apply downward force on the hex driver to catch and fix the driver to the screw.



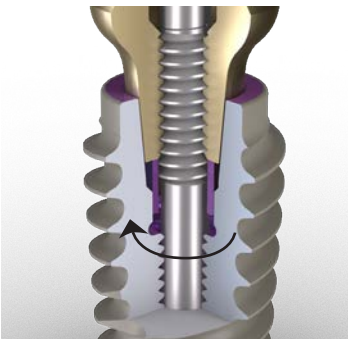
Gently lift up the driver while rotating it counter-clockwise to engage the screw in the internal threads of the abutment.



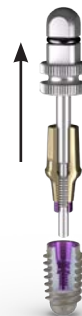
You may now unscrew the fixation screw out of the abutment.



Insert an abutment removal tool and turn it clockwise until it reaches the bottom of the abutment.



Continue to turn the abutment removal tool until the abutment releases from the tapered connection of the implant.



The abutment is now easily pulled out of the implant.

*Products illustrated in this procedure:  
.050 Hex Driver - HDT-0050-00,  
Abutment Extractor - EXT-0172-00*

## IMPLANT ONE GLOSSARY

**Abutment** A part used to connect a crown to an implant.

**Analog** A part used by the laboratory to replicate implants and their position in a dental model. The analog is screwed onto the impression coping then set into a plaster model during casting.

**Anodization** Process of coating a metal with a colored, protective film by chemical or electrolytic means.

**Cover Screw** *alternate terms: healing screw, cover cap* Placed over the implant during the healing period to keep the inside of the implant free of bacteria, tissue and bone.

**Dental Implant** An artificial tooth root that provides a stable and permanent base for a replacement tooth.

**Fixation Screw** Screw used to fully engage an abutment to its implant. In the Implant One system, it is the taper of the implant-abutment connection that makes a permanent, sealed bond between them. See Morse Taper.

**Gingival Height** Measurement from the top of the bone to the top of the gingiva.

**Healing Cap** A tall cap that covers the top of the implant after it is integrated, keeping the implant free of bacteria, tissue and bone, and helps properly shape the gingiva for the placement of the abutment and crown once it returns from the lab.

**Implant Driver** Tool that interfaces directly with an implant and is used to drive it to final depth.

**Impression** A negative imprint of hard and soft tissues in the mouth from which a positive reproduction can be formed. Used by laboratories to create accurate custom abutments and crowns.

**Impression Coping** An accessory used to pinpoint the exact position of the implant on the dental impression.

**Irrigation** Process of cleaning a wound by flushing or washing out with water or a medicated solution.

**Morse Taper** A self-holding, steeply tapered connection between two mechanical components used widely in the orthopedic, aeronautical, and mechanical machining industries. The unique attributes of this connection create a very strong, and hermetically sealed connection, which, in the Implant One system, prevents bacteria from growing inside its implants. The Morse taper was invented by Stephen A. Morse in 1864.

**Overdenture** A complete denture supported both by mucosa and by a few remaining natural teeth and/or dental implants to permit the denture to fit over them.

**Platform Height** On an abutment, the distance from the top of the implant to the bottom of the restoration (not necessarily the bone ridge since the implant can be placed sub-crestal).

**Profile Diameter** The outer diameter of an abutment where it meets the gingival tissue.

**Profiler** Tool used to cut away excess bone and tissue that has grown over the top of the implant during healing period prior to restoration.

**RPM** Revolutions per minute.

**Sub-crestal** Refers to placing an implant below the crest of the bone ridge.

**Surgical Stent** An appliance made prior to surgery that helps guide the surgical drills during the implant surgery.

**Torque** The force that produces rotation, measured in Newton Centimeters (Ncm). Applying too much torque will cause damage to bone cells.



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