# Integral<sup>®</sup> Compatible Components





Internal Non-Hex (flat-top) Implants





Internal Octagon (flat-top) Implants



External Hex Implant Branemark RP Compatible he Integral Implant System was developed in the early 1980's by Calcitek of Carlsbad, CA. Calcitek, acquired by Zimmer Dental<sup>®</sup>, was a pioneer and market leader in HA (Hydroxalapatite) technology in the dental market. Calcitek offered various modalities of dental implants and was the first company to use advanced computer imaging and milling technology to noninvasively create a three-dimensional model of a patient's jawbone upon which a custom subperiosteal implant could be designed and fabricated.

2

art

Integral SD & 4.0

**Internal Non-Hex** 

Calcitek Implant System consisted of the Integral<sup>®</sup>, Omniloc<sup>®</sup>, Spline<sup>®</sup> and Threadloc<sup>®</sup>. These implants are no longer available but limited replacement components are available from Attachments International.

#### PART 2: Integral Internal Non-Hex (flat-top) Connection

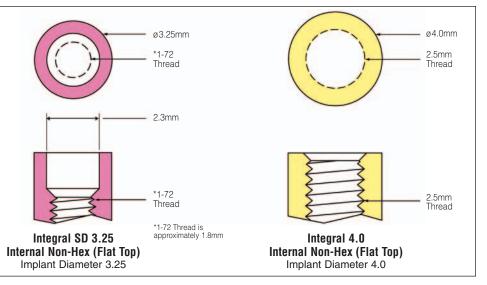
- Integral SD 3.25 & 4.0 non-hex (flat top) (implant discontinued components available)
- Omniloc 3.25 & 4.0 internal octagon (implant discontinued components available)

For Threadloc 3.75 (implant discontinued - components available in **Branemark section**) For Spline SD, RD & WD (only Locator components available)

Compatible to the Integral, the discontinued **O-butment** implant was developed in the late 1980's by Dr. David D. Dalise and was available since 1989 from the O-Company (currently OCO BioMedical) in Albuquerque, NM.

Implants	<b>Restoratively Compatible To</b>
Integral SD 3.25 non-hex flat-top (discontinued)	O-Butment <sup>®</sup> 3.25
Integral 4.0 non-hex flat-top (discontinued)	Anchor® 4.0 O-Butment 4.0 Steri-Oss® Original 3.8/4.0 non-hex
Omniloc 3.25 & 4.0 internal octagon (discontinued)	none
<b>Threadloc</b> 3.75 external hex (discontinued) Refer to Branemark section for compatible components.	Branemark <sup>®</sup> , Regular Platform 4.1 3i Miniplant <sup>®</sup> & Standard Osseotite <sup>®</sup> IMZ <sup>®</sup> Hex Head 3.3 & 4.0 Innova Entegra <sup>®</sup> 3.25 & 4.0 Restore <sup>®</sup> RD & Sustain <sup>®</sup> RD Taper-Lock <sup>®</sup>
Spline interdigitating projection connection	none

**Spline** interdigitating projection connection *Locator parts available* 



# **Terminology of Components**

#### Page Header Sample Guide

Integral 3.25 SD & 4.0 MD	Direct	Implant Analog	Components listed on page
Compatible Components	To The Implant	UCLA Abutments	

Compatible Implant Name

#### **Restoration Connection**

**Restorative Components:** 

For ease in selecting components, the Integral Section is divided by Restoration Connection:

Indirect To An Intermediate Component (Tissue Extensions/Abutments).

Overdenture Attachments, Bar Systems, Indirect Individual Parts and Tools are found following in the Indirect Section.

The Direct Restorative Components are the elements used to fabricate a restoration that will be connected directly to the implant(s).

Indirect Components

The Indirect / Intermediate Restorative Components fit to an intermediate tissue extension (abutment) which in turn is connected to the implant(s).

## **Implant Body:**

The implant body is placed into the bone for approximately 4-6 months to allow for osseointegration. The implants should not be loaded prior to osseointegration.





### **Tissue Extension:**

The TE (Tissue Extension) also referred to as the Shouldered Abutment, is the intermediate connector between the implant and the restoration, it may extend above the tissue. In some instances, a TE extension is subgingival, to provide a more esthetic restoration.

# **Implant Standardization:**

The UMA tissue extension was developed to standardize the many different implant companies' components and instruments for a more economically controlled inventory and for simplicity of restorative procedures. Its tapered/hexagon fitting surface is identical, regardless of the size or type of implant employed, while its screw-in base or press fit neck is implant specific.

#### **Compatibility:**

Implants	<b>Restoratively Compatible To</b>
Integral SD 3.25 non-hex flat-top (disc.)	O-Butment 3.25
Integral 4.0 non-hex flat-top (disc.)	Anchor 4.0 O-Butment 4.0 Steri-Oss Original 4.0 non-hex
<b>Omniloc</b> 3.25 & 4.0 (discontinued)	none
<b>Threadloc</b> 3.75 external hex (discontinued) Refer to Branemark section for compatible components.	Branemark, Regular Platform 4.1 3i Miniplant & Standard Osseotite IMZ Hex Head 3.3 & 4.0 Innova Entegra 3.25 & 4.0 Steri-Oss Hex-Loc 3.8 & 4.5 Taper-Lock
Spline SD, RD & WD	none

Spline SD, RD & WL

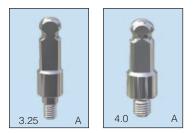
Part 2: Internal Non-Hex Connection

# Integral® 3.25 SD & 4.0 MD

Compatible Components

#### **IMPRESSION COPINGS**—To Fit Implant

Impression copings are used to take an impression of the implant body or of the tissue extension, such as the UMA, or the Shouldered Abutment. The Impression copings which fit

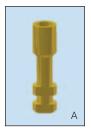


the implant bodies are made of titanium and transfer the thread trimming.

SDSmall Diameter Integral 3.25 ImplantMDMedium Diameter Integral 4.0 Implant	SD 3.25	► <u>MD</u> 4.0
Description	Order #	Order #
Impression Copings—To Fit Implant Impression Copings To Fit Implant (A)	45-300080	45-400080

#### ANALOGS—To Replicate Implant

Brass analogs are used for the fabrication of a master model. They replicate the fitting surface and the internal threads of the implant body or the UMA tissue extension. When the UMA tissue extension is used instead of the Shouldered Abutment, the standard line of UMA components is indicated.



SDSmall Diameter Integral 3.25 Implant<br/>Medium Diameter Integral 4.0 ImplantSD<br/>4.0SD<br/>4.0DescriptionOrder #Order #Implant Body Analog, Brass (A)45-30001545-400015

Integ	ral®	3.25	SD	& 4.0	MD
0	_				

Compatible Components

# UCLA, CYLINDER, SCREW & PLUG (CSP)

The UCLA abutment system which fits directly to the implant, is the most widely used restorative concept for screw-retained bridge type restorations. The UCLA for Integral allows only bridge and bar type overdenture possi-



SDSmall Diameter Integral 3.25 ImplantMDMedium Diameter Integral 4.0 Implant	SD 3.25	► MD 4.0
Description	Order #	Order #
Cylinder, Screw & Plug (CSP) UCLA, 3.25 CSP Non-Hex Cylinder (blue), Hex Screw .050" & Plug (A)	45-300252	_
UCLA, 4.0 CSP Non-Hex Cylinder (white), Hex Screw .050" & Plug <b>(B)</b> <b>PARTS</b> UCLA, Plastic Cylinder only UCLA, Screw only, Titanium .050" Hex		45-400252 45-400250 45-400052
USE WITH Impression Coping, Tapered—To Fit Implant Implant Body Analog, Brass	45-300080 45-300015	45-400032 45-400080 45-400015
TOOLS Hex Driver for all .050" Screw, Healing Caps, and Guide Pins Hex Lab .050" Driver		11-000006
Hex DDS Driver12mm, long REAMERS		11-000007
Reamer, Integral 4.0, blue handle for 4.0 (no Pin Vise required) Reamer, UCLA Micro Carbide (requires Pin Vise 40-000150) Pin Vise for Carbide Reamers .002130"		45-000153 44-000150 40-000150

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bilities. Each UCLA abutment includes the castable machined plastic abutment, .050" hex screw, and the patented occlusal plug. The UCLA abutment is also referred to as a CSP (Cylinder, Screw and Plug).

es. Each UCLA abutment includes the c

**Direct** To The Implant

UCLA, CSP Abutments

INTEGRAL

Compatible Components

Direct To The Implant

Direct Titanium Posts

#### **DIRECT SCREW-IN TITANIUM POSTS**

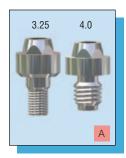
The direct titanium abutment post screws into the implant body and may be secured with Teflon tape or thread adhesive. The tapered posts, designed for bridge restorations, can be altered like a preparation. The titanium posts have an internal .050" hex for insertion and removal. Bulk grinding on the titanium post should be done outside the oral cavity. Fabricate a soft tissue model whenever preparations are made in the laboratory. If the final restoration is to be retrievable, then consider set screws.



SD Small Diameter Integral 3.25 Implant MD Medium Diameter Integral 4.0 Implant			
Description	Dimensions	Orde	r # Order #
Direct Titanium Posts (A) Direct Titanium Posts Direct Titanium Posts USE WITH: Impression Coping Implant Body Analog	2.0mm x 12mm 3.0mm x 12mm	N/A N/A 45-3000 45-3000	
TOOLS: Bio-Torq Wrench 20 N/CM Bio-Torq Socket Bio-Torq Tip Hex .050" long LT/RA Driver LT/RA Handle LT/RA Tip Hex .050" long			59-100020 59-100190 59-100125 58-100000 58-100190 58-100125

Note: Dimensions refer to gingival vertical section before taper begins, overall height is 12mm.

# UMA System



#### **UMA ABUTMENT**

The UMA Abutment (tissue extension), like the Shouldered Abutment, is an intermediate component made to fit between the implant and the restoration. The UMA has a standardized fitting surface, which allows the UMA restorative components to be interchangeable regardless of the implant type. The **UMA Healing Cap** protects the UMA until the restoration is delivered. The **Bridge Tapered UMA Impression Coping** transfers the UMA position while the Hex UMA Impression Coping transfers the hex orientation of the UMA Abutment. The UMA Analog replicates the UMA for the model. The UMA Hex or Non-Hex Plastic Cylinders are used to make frameworks for bridges or bars. The UMA CAL System is used for a passive fit technique. For restorations the fit directly to the implant refer to the Direct UCLA System for the specific implant type.

#### **UMA COMPONENTS**



Healing Cap

Description

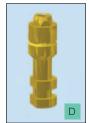


Impression Coping Tapered 1 piece



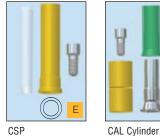
**Dimensions** 

Impression Copin Hex 2 piece



g Analog Brass





Hex Cyl, Hex screw

Intended Use

Non-Hex Cyl, Hex Screw

Order #



Order #

INTEGRAL

А	UMA Abutment	Tissue Extension Height	Tissue Extension / Abutment		
	UMA, Abutment UMA, Abutment	H=2.0mm H=3.0mm		11-001502 11-001503	11-001520 11-001530
	UMA, Abutment UMA, Abutment	H=4.0mm H=5.0mm		11-001504 11-001505	11-001540 11-001550
	UMA, Abutment UMA, Abutment	H=6.0mm H=7.0mm		11-001506 N/A	11-001560 11-001570
	Components—To Fit	UMA Abutment / Tissue Exte	ension		
В	Healing Cap		Tissue Healing / Management	One Thread Size	Fits All UMAs
_	UMA Healing Cap	H=2.0mm ø=4.5mm			11-002120
	UMA Healing Cap	H=4.0mm ø=4.5mm			11-002140
	UMA Healing Cap	H=6.0mm ø=4.5mm			11-002160
С	Impression Coping		Impression Taking / Transfer Timing		
U	UMA Impression Coping Tapered, one piece			11-000080	
	UMA Impression Copin	g Hex with .050" Hex Guide Pin,	two piece		11-000090
D	Analog		Model Fabrication		
	UMA Analog, Brass				11-000015
Е	CSP (Cylinder, Screw	& Plug)	Crown & Bridge / Bar Restorations		
		e), Ti .050" Hex Screw & Occlus			11-000202
		e), Ti Slot Screw & Occlusal Plug			11-000201
		(yellow), Ti .050" Hex Screw & (			11-000252
	UMA Non-Hex Cylinder	(yellow), Ti Slot Screw & Occlus	sal Plug		11-000251
F	CAL Cylinder (Passive	e Fit)	Bars / Fixed Detachable		
	UMA CAL Cylinder, Ti .0	050" Hex Screw, Waxing Sleeve	& Spacer		11-000452
	NOTE: Slot Screws (#11-000051) may be ordered separately.				
	PARTS				
	UMA .050" Hex Titaniun	n Screw, only			11-000052
	UMA, Short Bar Cylinde	er only, Red			11-000270
	FOR INDIVIDUAL UM	A PARTS & TOOLS—Refer to	the UMA Section of this Manual.		

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#### *To Order:* 800-999-3003 • 650-340-0393 Additional Information: www.attachments.com

# Integral® 3.25 SD & 4.0 MD

Compatible Components

Components

Indirect

Shouldered Abutment System

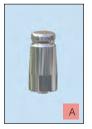


#### **SHOULDERED ABUTMENT (SA)**

Abutments (tissue extensions) are intermediate components made to fit between the implant and the restoration. Restorations can be made on the abutment using abutment cylinders. The Impression Coping takes an impression of the abutment and transfers the abutment position. The Analog is a replica of the abutment and is used for fabrication of a master model. The Shouldered Abutment Cylinder & Screw, machined plastic cylinder (waxing cylinder) and .050" hex screw (coping screw) will fit the Integral SD, Integral 4.0, Omniloc SD and Omniloc 4.0 Shouldered Abutment only, unlike the UMA CSP which fits all implants using the standard UMA system.

To attach abutment use the **Bio-Torq or LT/RA tips**. For restorations that fit to the implant directly, refer to the Direct UCLA system.

#### SHOULDERED ABUTMENT COMPONENTS





Impression Coping Analog Tapered 1 piece Stainless

Cy



Cylinder & Screw Non-Hex Cyl, .050"/1.25mm Hex Screw

Description	Dimensions	Intended Use	Order #
Components—To F	Fit Shouldered Abutment / Tiss	sue Extension	
Impression Coping		Impression Taking	
Impression Coping S	houldered Abutment		45-000080
Analog		Model Fabrication	
Shouldered Abutmen	t Analog, Stainless Steel		45-000015
Cylinder & Screw		Crown & Bridge / Bar Restorations	
SA, Cylinder & Screw	Non-Hex Cylinder (blue) & Hex	Screw .050"/1.25mm	45-000252
PARTS			
SA, Non-Hex Cylinde	5.		45-000250
SA, Hex Screw .050"	/1.25mm only		45-000052



Α

С

Note: The UMA components will not fit on the Shouldered Abutment.

### **Overdenture** Attachments

# Integral<sup>®</sup> 3.25 SD & 4.0 MD Compatible Components

## **OVERDENTURE STUD TYPE ATTACHMENTS**

Three types of overdenture attachments are most commonly used to directly screw into the implant-the Dalla Bona, the ORS, (O-Ring system) and the Locator. Connectors are made of titanium. Dalla Bona male, ORS male and Locator female are sold separately by tissue height. The DB Female Kit Locator for the SPLINE IMPLANT see Locator Section

includes 1 adjustable female, 1 spacer and 1 brass analog. The ORS Female Kit includes 1 gold plated retainer ring, 3 white final & 3 red processing O-Rings and 1 brass analog. The Locator Male Complete includes 3 plastic color coded males, a metal housing with black processing male and spacer.

DB 3.25       DB 4.0       Image: Constraint of the second		ORS 4.0	3.25	4.0
Alternative for DB	Integral	SD & 4.0	Omniloc	SD & 4.0
<ul> <li>SD Small Implant Diameter Integral 3.25 &amp; Omniloc 3.25</li> <li>MD Medium Implant Diameter Integral 4.0 &amp; Omniloc 4.0</li> </ul>	SD 3.25	MD 4.0	SD 3.25	4.0 MD
Description Tissue Height	Order #	Order #	Order #	Order #
Dalla Bona System (A)         Dalla Bona, male only       H=1mm         Dalla Bona, male only       H=2mm         Dalla Bona, male only       H=3mm         Dalla Bona, male only       H=3mm         Dalla Bona, male only       H=3mm         Dalla Bona, male only       H=4mm         Dalla Bona, male only       H=5mm         Dalla Bona, male only       H=6mm         Dalla Bona, male only       H=7mm         Dalla Bona, male only       H=7mm         Dalla Bona, Implant Ti Female Kit       includes Female, Spacer & Brass Analog         Allegro, Implant Female Kit (option for Dalla Bona female) (B)       includes Metal Housing, 4 Females, Spacer & Brass Analog         ORS, O-Ring System (C)       ORS	Integral SD 45-343013 45-343023 45-343033 45-343043 45-343063 45-343063 45-343073 40-430002 40-730002	Integral 4.0 45-443013 45-443023 45-443033 45-443043 45-443063 45-443063 45-443073 40-430002 40-730002	Omniloc SD           47-343013           47-343023           47-343023           47-343033           47-343043           47-343053           47-343063           N/A           40-430002           40-730002           40-730002	Omniloc 4.0 47-443013 47-443023 47-443043 47-443043 47-443053 47-443063 N/A 40-430002 40-730002 Omniloc 4.0
ORS, male onlyH=1mmORS, male onlyH=2mmORS, male onlyH=3mmORS, male onlyH=4mmORS, male onlyH=5mmORS, male onlyH=6mmORS, male onlyH=7mmORS, male onlyH=7mmORS, Implant Female Kit, includes Retainer Ring, Analog & 3 red & 3 wt. O-Rings	45-344013 45-344023 45-344033 45-344043 45-344053 45-344063 45-344073 40-440002	45-444013 45-444023 45-444033 45-444043 45-444053 45-444063 45-444073 40-440002	47-344013 47-344023 47-344033 47-344043 47-344053 47-344063 N/A 40-440002	47-444013 47-444023 47-444033 47-444043 47-444053 47-444063 N/A 40-440002
Locator System (D) Locator Implant Female only H=0mm Locator Implant Female only H=1mm Locator Implant Female only H=2mm Locator Implant Female only H=3mm Locator Implant Female only H=4mm Locator Male Complete (required with female, Locator Extended Range Replacement Male, 3 lbs, green (4) Locator Extended Range Replacement Male, 1.5 lbs, red (4) PARTS & TOOLS	Integral SD 63-008611 63-008612 63-008613 63-008614 63-008615 63-008519 63-008547 63-008548	Integral 4.0 63-008651 63-008652 63-008653 63-008654 63-008655 63-008519 63-008547 63-008548	Omniloc SD           63-008611           63-008612           63-008613           63-008613           63-008614           63-008615           63-008519           63-008547           63-008548	Omniloc 4.0 63-008666 63-008667 63-008668 63-008669 63-008670 63-008519 63-008547 63-008548

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For Dalla Bona, Allegro, ORS & Locator Parts and Tools refer to next page.

 $\wedge$ Note:: Male ball diameter for Dalla Bona and ORS is 2.2mm

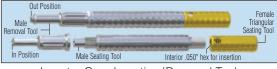
# Integral<sup>®</sup> 3.25 SD & 4.0 MD Compatible Components Dalla Bona, ORS, Locator

#### **OVERDENTURE STUD TYPE ATTACHMENTS**

PARTS

Three types of overdenture attachments are most commonly used to directly screw into the implant-the Dalla Bona, the ORS, (O-Ring system) and the Locator. Connectors are made of titanium. Dalla Bona male, ORS male and Locator female are sold separately by tissue height. The DB Female Kit includes 1 adjustable female, 1 spacer and 1 brass analog. The ORS Female Kit includes 1 gold retainer retainer ring, 3 white final & 3 red processing O-Rings and 1 brass analog. The Locator Male Complete includes 3 plastic color coded nylon males, a metal housing with black processing male and spacer.

Description	Dimensions	Order #
DALLA BONA FOR IMPLANTS		
Dalla Bona, Implant Female Kit: includes Fema	ile, Spacer & Brass Analog	40-430002
Dalla Bona, Resilient Female, Gold	FH=3.1mm	97-430282
Dalla Bona, Resilient Female, Titanium	FH=3.4mm	99-451012
Dalla Bona, Resilient Female, Plastic (4)	FH=3.5mm	99-430282
Dalla Bona Hex Analog, Brass (2)		40-430017
Dalla Bona Hex Spacer, Brass (2)		40-430016
PVC Ring (6), replacement ring for Dalla Bona	female	97-430200
ORS FOR IMPLANTS		
ORS, Retainer Rings (6)	H=2.0mm ø=5.1mm	99-440044
ORS, Combo O-Rings (24): 6 blue, 6 red (proc	essing), 6 wt, 6 blk Outside ø=4.5mm Inside ø=1.4mm	99-443037
ORS, Implant Female Kit: includes Retainer Rir	ng, Brass Analog and 3 red processing & 3 white final O-Rings	40-440002
O-Ring Hex Analog, Brass (2)		40-440017
LOCATOR FOR IMPLANTS		
Locator Male Complete		63-008519
Includes 1 metal housing with a black nylon proce	essing male, spacer, 3 final nylon males: 1 clear reg, 1 pink light & 1 b	lue x-light retention
_ocator Replacement Males Inserts, regular re	tention 5 lbs, clear (4)	63-008524
Locator Replacement Males Inserts, light reten	ition 3 lbs, pink (4)	63-008527
Locator Replacement Males Inserts, extra light	retention 1.5 lbs, blue (4)	63-008529
ocator Extended Range Replacement Male, r	eg retention (4) green	63-008547
_ocator Extended Range Replacement Male, x	c-light retention (4) red	63-008548
_ocator Impression Male		63-008505
Locator Female Analog Standard 4mm		63-008530
TOOLS		
BIO-TORQ Wrenches, Socket & Driver		
BIO-TORQ Wrench 10 N/cm		59-100010
BIO-TORQ Wrench 20 N/cm		59-100020
BIO-TORQ Wrench 30 N/cm		59-100030
3IO-TORQ Wrench 35 N/cm		59-100035
BIO-TORQ Socket		59-100190
BIO-TORQ Extension		59-100195
BIO-TORQ ORS / Dalla Bona Tip/Driver		59-100140
BIO-TORQ Locator Tip/Driver		59-100146
LT/RA DRIVER		
_T/RA RA Hand Driver		58-100000
T/RA RA Handle / Socket		58-100190
_T/RA ORS / Dalla Bona Tip		58-100140
Dalla Bona Activating Tool, Blue		99-451017
Dalla Bona Deactivating Tool, Yellow		99-451018
_ocator Core Insertion/Removal Tool		63-008393
ocator Male Removal Tool only		63-008397
Locator Parallel Posts (4)		63-008517
ALLEGRO (for replacement parts see Alleg	ro OD section page 99)	
Allegro OD/DE Micro/Regular Insertion Tool		73-410162



Locator Core Insertion/Removal Tool

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To Order: 800-999-3003 • 650-340-0393

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Additional Information: www.attachments.com

Part 2: Internal Non-Hex Connection

Integral<sup>®</sup> 3.25 SD & 4.0 MD Compatible Components

# **IDEAL BAR RESTORATIONS**

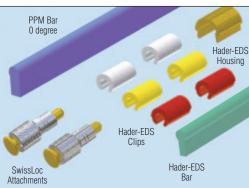
There are numerous options for implant bar restorations available today. To simplify your search, we have selected the most proven and popular systems on this page. For a complete listing of all bar system components, refer to the Bar and Clip Quick Reference Charts.

Most implant bar restorations involve from 2 to 5 implants. The ideal implant bar system incorporates a bar and retentive clips in the anterior section and locking pin attachments distally for support and stability.

The Hader-EDS Bar Master kit is the preferred choice. The CM Gold Clips may be used as an alternative. The locking SwissLoc NG is the preferred distal attachment to prevent lift-off and still provide resiliency. The Lew is a viable alternative.

For Laser Welding Technique, use only titanium bars and posts.

Recommended parts needed for a successful bar restoration:



**Overdenture** 

**Attachments** 

Bar Type

Description			Order #
HADER-EDS BAR MASTEF Master Kit includes 6 yellow TOOLS:	R KIT plastic clips, 6 metal housings, 2 seating tools and 2 sho	rt plastic bars (50mm)	99-531005
Hader-EDS Bar Analog 50m	m aluminum (1)		99-531015
Hader-EDS Fabricating Ride			99-531020
Hader-EDS Impression Clip			99-531080
CM HADER-EDS BAR KIT			
	riders (clips) with spacers and 2 short plastic Hader-EDS	hara (50mm)	99-532000
•	nuers (clips) with spacers and 2 short plastic frader-EDS	bars (Somm)	
TOOLS: CM Adjusting Tool (can be u	used with all metal riders / sleeves)		97-510125
	Hader-EDS Bar Analog), aluminum		99-531015
<b>e</b> .	riader-EDS Dar Analog), aluminum		33-331013
PARTS			
	8) 6 white, 6 yellow, 6 red and 1 seating instrument		99-531009
Hader-EDS Bar, short plastic Hader-EDS Metal Housings			99-531030 99-531060
iauei-EDS ivietai Housings			99-031000
SWISSLOC NG ATTACHME SwissLoc NG 4.0 mm		Х	89-600040
SwissLoc NG 6.0 mm	*L=4.5mm Housingø=3.4mm Plungerø=1.5mm *L=6.8mm Housingø=3.4mm Plungerø=1.5mm	X	89-600040
SwissLoc NG 7.5 mm	*L=8.0mm Housing#=3.4mm Plunger#=1.5mm	X	89-600075
	n be reduced to 4mm. Length is measured in closed posi		
TOOLS:	n be reduced to 4mm. Length is measured in closed posi	lion nom nead of plunger	to end of nousing.
SwissLoc NG Screwdriver			89-600010
SwissLoc NG Processing Ji	as (2)		89-600015
SwissLoc NG 1.5mm Drill (1			74-600615
	)		11000010
LEW ATTACHMENT			70,000,75
Lew attachment 7.5mm			72-000075
TOOLS:			
Lew Processing Jigs (2)			72-000150
Lew 1.5mm Drill / Reamer (1	1)		74-600615
PPM PLASTIC BAR PATTE	PNS (50mm)		
PPM Bar 0 degree (3 short 3			99-560000
PPM Bar 2 degree (3 short 3			99-562000
	3.7mm, 3 tall 8.0mm), yellow		99-564000
TOOLS:			00 00 1000
PPM Bar Mandrel 0 degree	(for plastic or titanium bar)		99-560001
PPM Bar Mandrel 2 degree			99-562001
PPM Bar Mandrel 4 degree			99-564001
•			00 00+001
TITANIUM BARS FOR LASI			00 501005
Hader-EDS Titanium Bar, sh			99-531035
PPM Titanium Bar, 0 degree			99-560010
PPM Titanium Bar, 2 degree	o.4mmneigni		99-560020
ntegral is a federally registered tradema	ark of Zimmer Dental, Inc., Carlsbad, CA		
ntegral is a federally registered tradema	ark of Zimmer Dental, Inc., Carlsbad, CA		

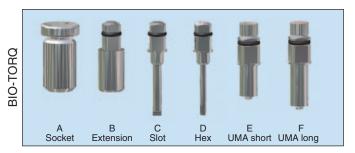
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#### **INSERTION DRIVERS**

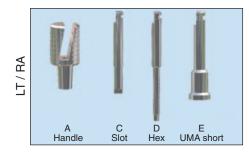
Compatible Components

The BIO-TORQ (B-T) and LT/RA (Latch Type) Systems were designed to facilitate the insertion of implant components. The BIO-TORQ insertion tips may be utilized with the BIO-

Integral<sup>®</sup> 3.25 SD & 4.0 MD



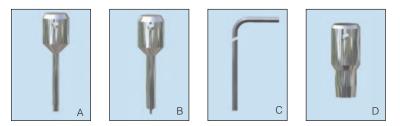
TORQ hand held socket or the BIO-TORQ wrenches. The LT/RA tips are used with right angle handpiece type drivers.



Description	Order #	Order #
	BIO-TORQ	LT/RA Driver
	50 100100	F0 100100
Hand Held Socket / Handle (A) BIO-TORQ Extension (B)	59-100190 59-100195	58-100190 N/A
Slot Tip Short	59-100195	58-100110
Slot Tip Long (C)	59-100110	58-100115
.050" Hex Tip Short	59-100120	58-100120
.050" Hex Tip Long (D)	59-100125	58-100125
Dalla Bona / ORS Hex Tip	59-100140	48-100140
Locator Tip, Short	59-100146	58-100146
Locator Tip, Long	59-100147	58-100147
UMA Tip Short (E)	59-100150	58-100150
UMA Tip Long (F)	59-100155	N/A
1		

Note: For Slot Screws do not exceed 10 N/cm of torque.

#### STANDARD DRIVERS, B-T WRENCHES & LT / RA DRIVER



Description

Order #

Standard Drivers and FG Drivers	
DDS .050" Hex Driver (A)	11-00007
DDS Slot Screwdriver (B)	11-00005
Lab .050" Hex Driver (C)	11-00006
Friction Grip Driver (D)	11-00004
BIO-TORQ Wrenches & LT / RA Driver	
BIO-TORQ Wrenches & LT / RA Driver BIO-TORQ Wrench 10 N/cm	59-100010
	59-100010 59-100020
BIO-TORQ Wrench 10 N/cm	
BIO-TORQ Wrench 10 N/cm BIO-TORQ Wrench 20 N/cm	59-100020



Note: For complete line of BIO-TORQ and LT/RA drivers see back of Manual.

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# **Integral<sup>®</sup> 3.25 SD & 4.0 MD**

Compatible Components

### REAMERS

The carbide reamers are used to refine the internal access hole of a castable cylinder. They also refine the seat for the head of the screw. Currently, the blue handle reamers are one piece, but the UMA and UCLA Micro reamer require the Pin Vise (sold separetly). The Pin Vise will fit all carbide reamers. The UMA Reamer fits all UMA and IMZ IME European new style cylinders.(A)

#### Description

Reamer, UCLA Micro Carbide (requires Pin Vise 40-000150) 44-000150 Reamer, Integral 4.0, blue handle for 4.0 (no Pin Vise required) 45-000153 Reamer, UMA Abutment Carbide .0880" (also fits IMZ & Paragon UCLA Cylinders) (requires Pin Vise 40-000150) 11-000150 Pin Vise for Carbide Reamers .002 - .130" 40-000150

# LAPPING TOOLS

The Lapping tools are used with diamond polishing paste to refine the fitting surface of the cast cylinder. We recommend that you use it not more than 5-6 times. For superior restorations, you may want to use the 1 micron white diamond lapping paste. (B)

#### Description

UCLA, Lapping Tool & Guide Pin, 4.0	45-000155
UCLA, Lapping Tool & Guide Pin, SD	44-000155
UMA, Lapping Tool and Guide Pin	11-000155

# **UMA, POLISHING PROTECTOR CAP**

Polishing protector caps are used to protect the gingival area of the gold or cast cylinder while finishing. The protector caps are fastened to the cylinders with the screw. Screws are sold separately. The UMA polishing protector cap must only be used with the UMA abutment. (C)



#### Description

Beeenparin	Ordor //
UMA, Polishing Protector Cap (6)	11-000170
PARTS	
Uma Slot Screw	11-000051
UMA Hex .050" Screw	11-000052

ومحتار	Reamer
Pin Vise	
	Order #

<sup>o</sup>art 2: Internal Non-Hex Connection

Order #