






ITI Standard Implant



ITI Syn-Octa Implant


The ITI Dental Implant System was developed in Switzerland by the Institute Straumann and Dr. Andre Schroeder, President of the University Bern. ITI implants are endosseous one-stage and were originally designed for overdentures using the Dolder Bar system. ITI is now utilized for all restorative options. The one-stage (non-submerged) approach simplifies the procedures and helps minimize trauma to the patient and reduces chairtime as only one surgical procedure is required.




The ITI implant system currently encompasses three different types of implants:

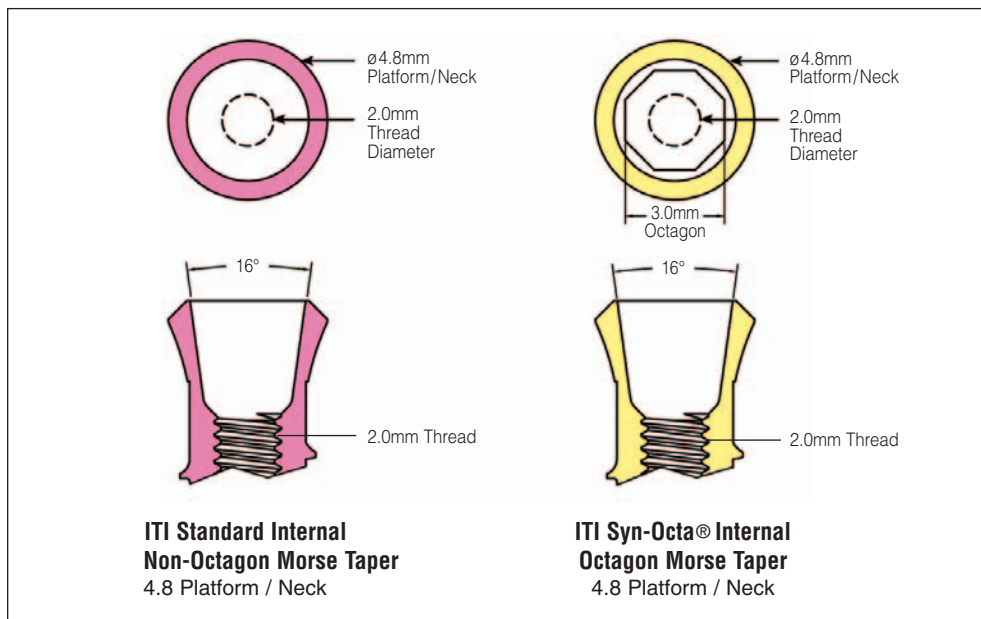
-  **ITI Small Diameter (SD) external hex** — 3.25 / 3.3 external hex
-  **ITI Standard 4.8 internal non-octagon Morse taper**— 4.8 Platform / Neck
-  **ITI Syn-Octa® 4.8 internal octagon Morse taper**— 4.8 Platform / Neck

Components made by Attachments International are available for the ITI Standard 4.8 internal non-octagon Morse taper and ITI Syn-Octa 4.8 internal octagon Morse taper.

No components are currently available for the ITI SD external hex.

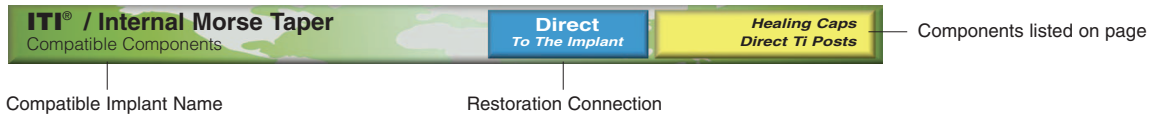
 **Note:** The ITI Standard components will mate with the ITI Syn-Octa implant without engaging the octagon.

| Implants | Restoratively Compatible To |
|--|--|
|  ITI Small Diameter 3.25 / 3.3 external hex | none |
|  ITI Standard 4.8 internal non-octagon Morse taper (4.8 Platform / Neck) | 3i TG Osseotite Innova Endopore Internal Connection LifeCore Stage-1 |
|  ITI Syn-Octa® 4.8 internal octagon Morse taper (4.8 Platform / Neck) | Zimmer SwissPlus Blue Sky Bio |



Terminology of Components

Page Header Sample Guide



Restorative Components:

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

- **Direct To The Implant** —or—
- **Indirect To An Intermediate Component (Tissue Extensions/Abutments).**

Overdenture Attachments, Bar Systems, Individual Parts and Tools follow the Indirect Section.

Direct To The Implant

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 (Octabutment) which in turn is connected to the implant(s).



ITI Syn-Octa

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.



Octabutment

Octabutment:

The Octabutment was designed for screw retained restorations and is compatible with the original Octabutment from Straumann. The shoulder of the Octabutment becomes flush with the top of the implant.

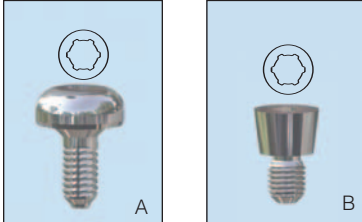
Compatibility:

| Implants | Restoratively Compatible To |
|---|--|
| ■ ITI Small Diameter 3.25 / 3.3 external hex | none |
| ■ ITI Standard 4.8 internal non-hex Morse taper (4.8 Platform / Neck) | 3i TG Osseotite Innova Endopore Internal Connection LifeCore Stage-1 |
| ■ ITI Syn-Octa® 4.8 internal octagon Morse taper (4.8 Platform / Neck) | Zimmer SwissPlus Blue Sky Bio |

IMPLANT HEALING CAP to fit ITI® / Internal Morse Taper compatible implants

The implant healing caps fit directly to internal Morse taper connection implants and are used to cover the implant during the initial integration period. They are available in

four lengths. A 0mm SCS closure screw is available for the 2 stage technique. The healing caps and closure screw require a BIO-TORQ SCS (star) tip / driver.



Description (All components manufactured by Attachments Int.)

To Fit

Order #

| | | | |
|---|---------------|--|-----------|
| Implant Healing Cap 2mm (A) | H=2mm ø=4.9mm | ITI / Internal Morse Taper compatible implants | 33-502120 |
| Implant Healing Cap 3mm | H=3mm ø=4.9mm | | 33-502130 |
| Implant Healing Cap 4mm | H=4mm ø=4.9mm | | 33-502140 |
| Implant Healing Cap 5mm | H=5mm ø=4.9mm | | 33-502150 |
| Implant Closure Screw, Star (SCS) 0mm (B) | | | 33-500001 |

TOOLS RECOMMENDED:

| | | | |
|--|--|--|-----------|
| BIO-TORQ Tip SCS (star), short | | | 59-100173 |
| BIO-TORQ Tip SCS (star), long | | | 59-100174 |
| BIO-TORQ Socket, swivel head (16.3mm Height) | | | 59-100190 |
| BIO-TORQ Socket, short (8.1mm Height) | | | 59-100191 |
| Optional: BIO-TORQ Adapter for ITI Torque Wrench | | | 59-100192 |

DIRECT TITANIUM POSTS

The direct titanium abutment posts screw into the implant body and are indicated for single units or bridge restorations. The tapered posts can be altered like a preparation.

Fabricate a soft tissue model whenever preparations are made in the laboratory. If the final restoration is to be retrievable, consider using set screws.



Description (All components manufactured by Attachments Int.)

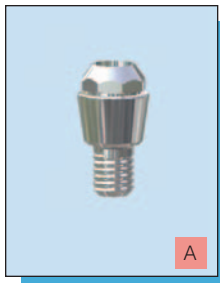
To Fit

Order #

| | | |
|------------------------------------|--|-----------|
| Direct Titanium Posts 4.0mm Height | ITI / Internal Morse Taper compatible implants | 33-501240 |
| Direct Titanium Posts 5.5mm Height | | 33-501255 |
| Direct Titanium Posts 7.0mm Height | | 33-501270 |

TOOLS RECOMMENDED:

| | | |
|--|----------------------|-----------|
| BIO-TORQ Socket, swivel head (16.3mm Height) | | 59-100190 |
| BIO-TORQ Socket, short (8.1mm Height) | | 59-100191 |
| BIO-TORQ Post Insertion Tip | Direct Titanium Post | 59-100176 |
| Optional: BIO-TORQ Adapter for ITI Torque Wrench | | 59-100192 |



OCTABUTMENT

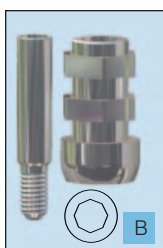
The Octabutment was designed for screw retained single tooth or bridge restorations. The Octabutment has an external octagon and a tapered mating surface that securely locks with the implant when torqued into place. The Octabutment is available only in one length.

Restorations can be made on the

abutment using abutment cylinders. The **Impression Coping** takes an impression of the abutment and transfers the implant position and thread timing. The **Analog** is a replica of the abutment and is used for fabrication of a master model. The **Cylinders** are available either with an **internal octagon** for single tooth restorations or **non-octagonal** for crown & bridge or bar restorations. To attach the abutment use the **BIO-TORQ** or **LT/RA tips**.

Refer to the **Direct Section** for restorations that fit to the implant directly.

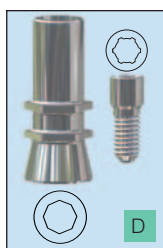
OCTABUTMENT COMPONENTS



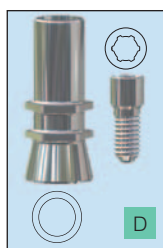
Impression Coping



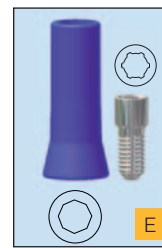
Analog



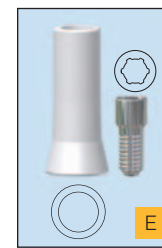
Temp Octabutment



Temp Non-octagon



Octagon Cylinder



Non-Octagon Cylinder

Description (All components manufactured by Attachments Int.)

Intended Use

Order #

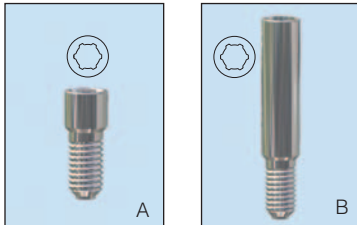
| | | | |
|---|--|---|------------------------|
| A | Octabutment 1 piece Octabutment, Titanium | Tissue Extension / Abutment | 33-500010 |
| Components—To Fit Octabutment / Tissue Extension | | | |
| B | Impression Coping 2 piece Octabutment Impression Coping & Star Guide Pin | Open Tray Impression Taking / Transfer Timing Transfer thread timing | 33-500099 |
| C | Analog Octabutment Analog, Stainless | Model Fabrication | 33-500015 |
| D | Temporary Abutments Temporary Octabutment & Star screw Temporary Non-octagon abutment & Star screw | Crown & Bridge / Bar Restorations | 33-500309 33-500359 |
| E | Cylinders and Screws Octagon cylinder (blue) & Star screw Non-Octagon cylinder (white) & Star screw | Crown & Bridge / Bar Restorations | 33-500209 33-500259 |
| Protector Cap | | | |
| | Octabutment Protector Cap & Star screw | | 33-502109 |
| PARTS | | | |
| | Octagon cylinder only, blue | | 33-500200 |
| | Non-Octagon cylinder only, white | | 33-500250 |
| | Star screw only, for Octabutment (compatible with SCS driver) | | 33-500059 |
| TOOLS | | | |
| | BIO-TORQ Socket, swivel head (16.3mm Height) | | 59-100190 |
| | BIO-TORQ Socket, short (8.1mm Height) | | 59-100191 |
| | BIO-TORQ Tip Octabutment | Insertion of Octabutment | 59-100175 |
| | BIO-TORQ Post Insertion Tip | Insertion of Direct Titanium Post | 59-100176 |
| | BIO-TORQ Tip SCS (star), short | Insertion of Fixation Screws (starlike) | 59-100173 |
| | BIO-TORQ Tip SCS (star), long | | 59-100174 |

NOTE: Prior to Sept. 2001, the square screws for the Octabutment were .045", then .050". All screws are currently Star screws, compatible with SCS driver.

SCREWS & GUIDE PIN—To Fit Octabutment

The screws and guide pins for the Octabutment are used to fasten the restoration to the Octabutment and are made of

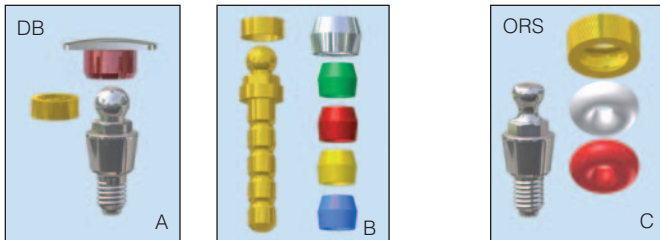
titanium alloy. The star screws and star guide pins require a BIO-TORQ SCS (star) tip / driver.



| Description (All components manufactured by Attachments Int.) | Intended Use | Order # |
|--|---|--------------|
| Screws* | | |
| Star screw only (compatible with SCS driver) for Octabutment (A) | | 33-500059 |
| Guide Pins | | |
| Star Guide Pin for Octabutment 10mm (B) | | 33-500069-10 |
| Star Guide Pin for Octabutment 12mm | | 33-500069-12 |
| Star Guide Pin for Octabutment 14mm | | 33-500069-14 |
| Star Guide Pin for Octabutment 16mm | | 33-500069-16 |
| Star Guide Pin for Octabutment 20mm | | 33-500069-20 |
| Protector Cap | | |
| Octabutment Protector Cap & Star screw | | 33-502109 |
| Tools | | |
| BIO-TORQ Socket, swivel head (16.3mm Height) | | 59-100190 |
| BIO-TORQ Socket, short (8.1mm Height) | | 59-100191 |
| BIO-TORQ Tip Octabutment | Insertion of Octabutment | 59-100175 |
| BIO-TORQ Post Insertion Tip | Insertion of Direct Titanium Post | 59-100176 |
| BIO-TORQ Tip SCS (star), short | Insertion of Fixation Screws (starlike) | 59-100173 |
| BIO-TORQ Tip SCS (star), long | | 59-100174 |
| BIO-TORQ Adapter for ITI Torque Wrench | | 59-100192 |
| BIO-TORQ Bio-Ratchet | | 59-100000 |



***NOTE:** Prior to Sept. 2001, the square screws for the Octabutment were .045", then .050". All screws are currently Star screws, compatible with SCS driver.



Allegro Implant Female Kit
Alternative for DB

DBS & ORS – OVERDENTURE STUD TYPE ATTACHMENTS

The Dalla Bona and ORS, O-Ring system, are popular overdenture attachments that directly screw into the implant. Both connectors are made of titanium. The Dalla Bona male (2.2mm ø) and the ORS male (2.2mm ø) are sold separately. The DB Female Kit includes 1 adjustable female, 1 spacer and 1 brass analog. The Allegro Female Kit is an optional kit

for the Dalla Bona system. The ORS Female Kit includes 1 gold plated retainer ring, 3 white final & 3 red processing O-Rings and 1 brass analog.

The retention of the Dalla Bona female is adjustable with the activating or deactivating tool.

| Description (All components manufactured by Attachments Int.) | Tissue Height | Order # |
|--|---------------|-----------|
| Dalla Bona for ITI / Internal Morse Taper Implants (A) | | |
| Dalla Bona, male only | 0mm | 33-543003 |
| ■ Dalla Bona, Implant Ti Female Kit, includes Female, Spacer & Analog | | 40-430002 |
| ■ Allegro, Implant Female Kit (alternative for Dalla Bona female) (B) <i>includes Metal Housing, 4 Females, Implant Spacer & Brass Analog</i> | | 40-730002 |
| ORS, O-Ring System for ITI / Internal Morse Taper Implants (C) | | |
| ORS, male only | 0mm | 33-544003 |
| ■ ORS, Implant Female Kit, includes Retainer Ring, Analog & 3 red processing & 3 white final O-Rings | | 40-440002 |

Note: The Dalla Bona and ORS for ITI / Morse Taper compatible implants are considered zero tissue height as the shoulder of the male cuff is flush with the top of the implant. No other heights are available.

TOOLS

(for a complete list of Dalla Bona, Allegro & ORS Tools and Parts see next page)

| | |
|--|-----------|
| BIO-TORQ Socket, swivel head (16.3mm Height) | 59-100190 |
| BIO-TORQ Socket, short (8.1mm Height) | 59-100191 |
| Dalla Bona/ORS BIO-TORQ Tip | 59-100140 |
| BIO-TORQ Adapter for ITI Torque Wrench | 59-100192 |
| LT / RA Handle | 58-100190 |
| LT / RA ORS / Dalla Bona Tip | 58-100140 |
| Dalla Bona Activating Tool, Blue | 99-451017 |
| Dalla Bona Deactivating Tool, Yellow | 99-451018 |

OVERDENTURE STUD TYPE ATTACHMENTS

Two types of overdenture attachments are most commonly used to directly screw into the ITI implant—the Dalla Bona, and the ORS (O-Ring system). Connectors are made of titanium. Dalla Bona and ORS males are sold separately by tissue height. The DB Female Kit includes 1 adjustable female,

1 spacer and 1 brass analog. The Allegro Female Kit is an optional kit for the Dalla Bona system. The ORS Female Kit includes 1 gold plated retainer ring, 3 white final & 3 red processing O-Rings and 1 brass analog.

PARTS

Description (All components manufactured by Attachments Int.)

Dimensions

Order #

DALLA BONA FOR IMPLANTS

| | | |
|---|----------|-----------|
| ■ Dalla Bona, Implant Female Kit : includes Female, 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 |
| ■ Allegro, Implant Female Kit (alternative for Dalla Bona female) <i>includes Metal Housing, 4 Females, Spacer & Brass Analog</i> | | 40-730002 |

ORS FOR IMPLANTS

| | | |
|--|--------------------------------|-----------|
| ORS, Retainer Rings (6) | H=2.0mm ø=5.1mm | 99-440044 |
| ORS, Combo O-Rings (24): 6 blue, 6 red (processing), 6 wt, 6 blk | Outside ø=4.5mm Inside ø=1.4mm | 99-443037 |
| ■ ORS, Implant Female Kit : includes Retainer Ring, Brass Analog and 3 red processing & 3 white final O-Rings | | 40-440002 |
| O-Ring Hex Analog, Brass (2) | | 40-440017 |

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 |
| BIO-TORQ Wrench 35 N/cm | 59-100035 |
| BIO-TORQ Hand Held Socket, swivel head (16.3mm Height) | 59-100190 |
| BIO-TORQ Hand Held Socket, short (8.1mm Height) | 59-100191 |
| BIO-TORQ Extension | 59-100195 |
| BIO-TORQ ORS / Dalla Bona Tip/Driver | 59-100140 |
| BIO-TORQ Adapter for ITI Torque Wrench | 59-100192 |

LT/RA DRIVER

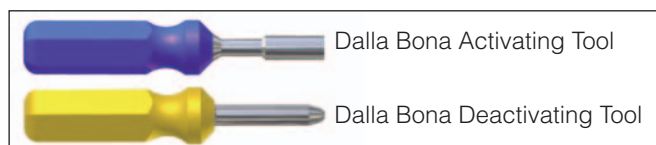
| | |
|----------------------------|-----------|
| LT/RA RA Hand Driver | 58-100000 |
| LT/RA RA Handle / Socket | 58-100190 |
| LT/RA ORS / Dalla Bona Tip | 58-100140 |

DALLA BONA

| | |
|--------------------------------------|-----------|
| Dalla Bona Activating Tool, Blue | 99-451017 |
| Dalla Bona Deactivating Tool, Yellow | 99-451018 |

ALLEGRO (for replacement parts see Allegro OD section page 99)

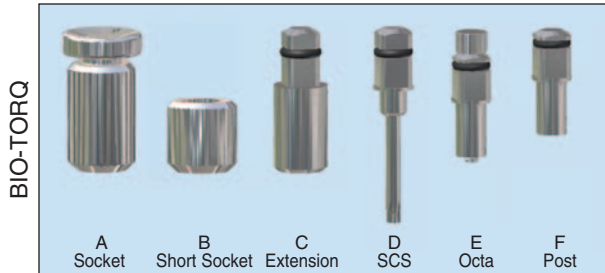
| | |
|--|-----------|
| Allegro OD/DE Micro/Regular Insertion Tool | 73-410162 |
|--|-----------|



INSERTION DRIVERS AND BIO-TORQ WRENCHES & DRIVERS

The BIO-TORQ (B-T) System was designed to facilitate the insertion of implant components. The BIO-TORQ insertion tips/drivers may be utilized with the BIO-TORQ hand held

socket or the BIO-TORQ wrenches. An Adapter for ITI Torque Wrench is available.



Description (All components manufactured by Attachments Int.)

Order #

| | |
|---|-----------|
| BIO-TORQ Hand Held Socket / Handle, Swivel Head (16.3mm Height) (A) | 59-100190 |
| BIO-TORQ Hand Held Socket / Handle, Short (8.1mm) (B) | 59-100191 |
| BIO-TORQ Extension (C) | 59-100195 |
| BIO-TORQ Adapter for ITI Torque Wrench | 59-100192 |
| BIO-TORQ Dalla Bona / ORS Hex 2.5mm Tip | 59-100140 |
| BIO-TORQ Tip SCS (star), Short | 59-100173 |
| BIO-TORQ Tip SCS (star), Long (D) | 59-100174 |
| BIO-TORQ Octabutment Tip (E) | 59-100175 |
| BIO-TORQ Direct Titanium Post Insertion Tip (F) | 59-100176 |



NOTE: Prior to Sept. 2001, the square screws for the Octabutment were .045", then .050". All screws are currently Star screws, compatible with SCS driver.

BIO-TORQ Wrenches

| | |
|--|-----------|
| BIO-TORQ Wrench 10 N/cm | 59-100010 |
| BIO-TORQ Wrench 20 N/cm | 59-100020 |
| BIO-TORQ Wrench 30 N/cm | 59-100030 |
| BIO-TORQ Wrench 35 N/cm | 59-100035 |
| BIO-TORQ Adapter for ITI Torque Wrench | 59-100192 |
| BIO-TORQ Bio-Ratchet | 59-100000 |