



RESTORING STRAUMANN IMPLANTS WITH  
**LOCATOR® ABUTMENTS**



COMMITTED TO  
**SIMPLY DOING MORE**  
FOR DENTAL PROFESSIONALS



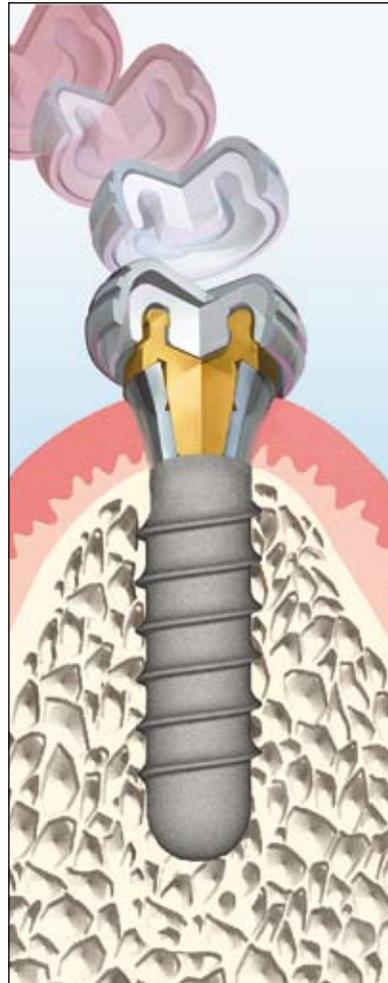
Straumann is the industrial partner of the ITI (International Team for Implantology) in the areas of research, development, and education.

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## PRODUCT DESCRIPTION

- Excellent long-term performance is provided by the dual retention and high wear resistance of the LOCATOR® attachments.
- The selflocating design of the LOCATOR® allows patients to easily seat their dentures.
- The LOCATOR® male components are easily placed and removed with the LOCATOR® core tool.
- Up to 40° divergence between two implants can be accommodated.
- Restorations are possible even in cases of limited space due to the small vertical dimension.



### Indications

The LOCATOR® Implant Attachment System is designed for use with dentures or partial dentures retained in whole or in part by endosseous implants in the mandible or maxilla.

### Contraindications

Not appropriate where a totally rigid connection is required. Use on a single implant with a divergence of more than 20° is not recommended.

# FULL DENTURE FABRICATION

The restorative platform of the implant should be above the gingival crest, and the shortest LOCATOR® abutment providing a margin above the gingival crest should be utilized.



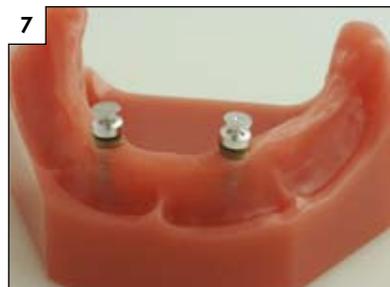
The margin of the LOCATOR® abutment must be positioned supra-gingivally.



Hand tighten the abutment with the LOCATOR® driver. Then torque the abutment to 35 Ncm using the Straumann ratchet with torque control device and LOCATOR® driver.



Place the impression copings on the LOCATOR® abutments for the final impression.



Take the final impression utilizing a border mold impression technique and place the female analogs into the impression copings.



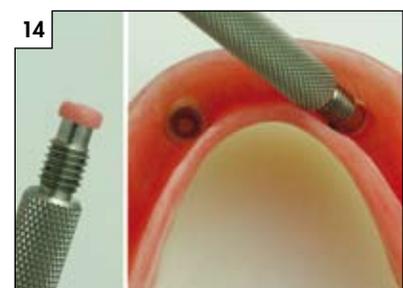
Box and pour the master cast.



The processing male is fixed into the record base for maximum stability. The processed full denture incorporating the denture cap with the black processing male is ready for finishing.



Remove the black processing male from the finished full denture base with the male removal tool, and insert the replacement male of choice with the male seating tool.



Upon insertion, check for pressure spots and adjust the occlusion.



## PICK UP WITH FULL DENTURE RELINE OR REBASE

The restorative platform of the implant should be above the gingival crest whenever possible. The margin of the LOCATOR® abutment must be supra-gingival.



Hand tighten the abutment with the driver. Then torque the abutment to 35 Ncm using the Straumann ratchet with torque control device and LOCATOR® driver.



Place the denture cap with black processing male onto the LOCATOR® abutments.



Adjust the denture base to seat passively in occlusion without touching the processing cap.



Apply impression adhesive to the internal aspect of the denture, and take a reline impression with the patient in occlusion utilizing a border mold impression technique.



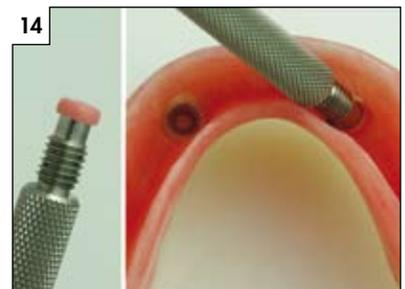
Place the female analog into the black processing male, pour the master cast, and process the relines.



Box and pour the master cast.  
**Note:** The black processing male must be secure on the female analog.



After processing the relines or rebase, remove the black processing male with the male removal tool, and insert the replacement male of your choice with the male seating tool.



Upon insertion, check for pressure spots and adjust the occlusion.



# RETROFIT LOCATOR® TO EXISTING FULL DENTURE

Clinical photos courtesy of Dr. Robert C. Vogel

Insert the LOCATOR® abutments and torque them to 35 Ncm.



Place the white block-out spacer over the head of the LOCATOR® abutment. Then insert a LOCATOR® denture cap with black processing male into each LOCATOR® abutment, leaving the white block-out spacer beneath it.



Prepare the denture base to accommodate the protruding LOCATOR® processing cap.

**Important:** There must be **NO** contact between the denture and the processing cap prior to the curing process.



## Cold curing the processing male

Use a lightcure acrylic resin or mix a permanent self-curing acrylic to bond the processing cap in the denture. Apply a small amount of acrylic resin to the recess of the denture base and around the processing cap. Insert the denture into the oral cavity. Once the denture is properly positioned, maintain it in a passive condition (very light centric occlusion) while the acrylic sets.

**Note:** If the white block-out spacer does not completely fill the space between the tissue and the metal cap denture, it is necessary to block out any remaining undercuts to prevent the added acrylic resin from locking the denture onto the abutment. This can be accomplished by stacking more block-out spacers (048.196V20).



Once the acrylic has cured, remove the denture and discard the white block-out spacers. Remove any excess acrylic and finish the denture base before changing to the final replacement male. Remove the black processing male from the metal processing cap with the male removal tool.



Use the male seating tool to insert a LOCATOR® replacement male into the empty metal processing cap. The denture is ready for delivery to the patient.



## DETERMINING THE ANGULATION OF LOCATOR® ABUTMENTS



**LOCATOR® parallel post**  
(048.199V4)



**LOCATOR® angle measurement guide**  
(048.200)

Snap the LOCATOR® parallel post on to the LOCATOR® abutment. Use the angle measurement guide behind the parallel post to determine the angulation of the implant.

**Choose the appropriate nylon LOCATOR® replacement male according to the angulation measured and the desired retention.**

**Caution:** For the safety of the patient, tie dental floss through the hole of the angle measurement guide to prevent aspiration.

## CHOOSING THE REPLACEMENT MALES

The LOCATOR® replacement males can be used to restore an implant with up to 10° of divergence (20° between implants). Use of multiple LOCATOR® attachments (3 or more) in the same dental arch may require the use of the 3.0 lbs (light retention) pink-colored replacement male (048.191V4) or 1.5 lbs (extra

light retention) blue-colored replacement male (048.192V4) for easier removal of the prosthesis by the patient.

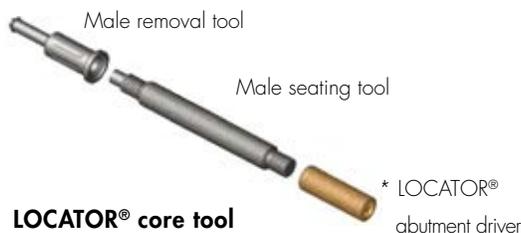
The LOCATOR® extended range replacement males can accommodate a divergent implant between 10° and 20° (40° between implants). The LOCATOR® extended range replace-

ment male (green, 048.193V4) offers more retention for divergent implants (3.0–4.0 lbs). The retentive holding force is dependent upon the degree of angulation. The extra light retention extended range replacement male (red, 048.194V4) provides the least retention possible (1.5 lbs).

## LOCATOR® CORE TOOL



**LOCATOR® core tool**  
(046.415) assembled



**LOCATOR® core tool**  
(046.415) disassembled

\*The LOCATOR® abutment driver is not needed for Straumann implants. The LOCATOR® driver (046.416 or 046.417) should be used instead. See page 13 for more information.

# PRODUCT OVERVIEW

Art. No.	Article	Dimensions	Material
<b>LOCATOR® abutments</b>			
048.175	RN LOCATOR® abutment	height 1.0 mm	titanium alloy/Ti-N•
048.176	RN LOCATOR® abutment	height 2.0 mm	titanium alloy/Ti-N•
048.177	RN LOCATOR® abutment	height 3.0 mm	titanium alloy/Ti-N•
048.178	RN LOCATOR® abutment	height 4.0 mm	titanium alloy/Ti-N•
048.179	RN LOCATOR® abutment	height 5.0 mm	titanium alloy/Ti-N•
048.180	RN LOCATOR® abutment	height 6.0 mm	titanium alloy/Ti-N•



## LOCATOR® components

048.189V2		LOCATOR® male processing package includes: denture cap (Ø 5.5 mm, height 2.5 mm) with black processing male (height 0.75 mm), block-out spacer (048.196), white replacement male (048.196), pink replacement male (048.190), pink replacement male (048.191), and blue replacement male (048.192)	titanium/nylon
048.190V4		LOCATOR® replacement male, white	height 1.7 mm nylon
048.191V4		LOCATOR® replacement male, light retention, pink	height 1.7 mm nylon
048.192V4		LOCATOR® replacement male, extra light retention, blue	height 1.7 mm nylon
048.193V4		LOCATOR® replacement male, extended range 10°–20°, green	height 1.7 mm nylon
048.194V4		LOCATOR® replacement male, extra light retention, extended range 10°–20°, red	height 1.7 mm nylon

- = Titanium nitride-coated
- V2 = 2 components per pack
- V4 = 4 components per pack
- V20 = 20 components per pack
- LDPE = Low Density Polyethylene
- \* = Straumann components



### Manufacturer:

Zest Anchors, Inc.  
Escondido, CA 92029  
USA

## PRODUCT OVERVIEW

Art. No.	Article	Dimensions	Material
<b>LOCATOR® components</b>			
048.198V4	 LOCATOR® female analog	length 10.0 mm Ø 5.0 mm	aluminum
048.197V4	 LOCATOR® impression coping	height 4.0 mm	aluminum housing with black male LDPE
048.196V20	 LOCATOR® block-out spacer	thickness 0.4 mm	teflon
<b>Auxiliary parts</b>			
046.415	 LOCATOR® core tool	length 100.0 mm	stainless steel
046.416	 LOCATOR® driver for ratchet, short	length 15.0 mm	stainless steel
046.417	 LOCATOR® driver for ratchet, long	length 21.0 mm	stainless steel
046.119*	 Ratchet, includes service instrument	length 84.0 mm	stainless steel
046.108*	 Service instrument for ratchet	length 50.0 mm	stainless steel
046.049*	 Torque control device for ratchet	length 82.0 mm	stainless steel
048.199V4	 LOCATOR® parallel post	length 8.0 mm	LDPE
048.200	 LOCATOR® angle measurement guide	length 5.0 mm width 15.0 mm	stainless steel



**Manufacturer**

Zest Anchors, Inc.  
Escondido, CA 92029  
USA

**Distributor**

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4002 Basel  
Switzerland

LOCATOR® is a trademark of Zest Anchors, Inc., California, USA.

Straumann is the sole worldwide distributor of LOCATOR® abutments for the Straumann® Dental Implant System.

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