








# CLINICAL KITS

## Introductory Kits

Contents:



95-010-20	Infinitas Standard Handle (each)	
95-010-21	Infinitas Screwdriver Standard Insert (each)	
95-010-22	Infinitas Mucotome Standard Insert (each)	
95-010-23	Infinitas Cortical Punch Standard Insert (each)	
95-010-29	Infinitas Surgical Aluminum Tray (each)	
95-010-xx (Assorted Sizes*)	Included in Non-Sterile Kit Infinitas mini implants. Non-Sterile (x5)	
95-010-xx (Assorted Sizes*)	Included in Sterile Kit Infinitas mini implants. Sterile (x5)	





\* Refer to the Mini Implant Selection Chart

KIT95-010-63  
STERILE KIT contains 5 sterile implants

KIT95-010-64  
NON-STERILE KIT contains 5 non sterile implants

## Complete Kits

Contents same as Introductory Kit plus the following:

95-010-25	Infinitas Mini Screwdriver (Manual)	
95-010-26	Infinitas Screwdriver Mini Insert	
95-010-27	Infinitas Mucotome Mini Insert	
95-010-28	Infinitas Cortical Punch Mini Insert	

KIT95-010-60  
STERILE KIT contains 5 sterile implants

KIT95-010-65  
NON-STERILE KIT contains 5 non sterile implants




 **infinitas**<sup>TM</sup>  
mini implant system

Part Art. Part Science. All Orthodontics.

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Bohemia, NY 11716  
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## FEATURES OF THE SYSTEM

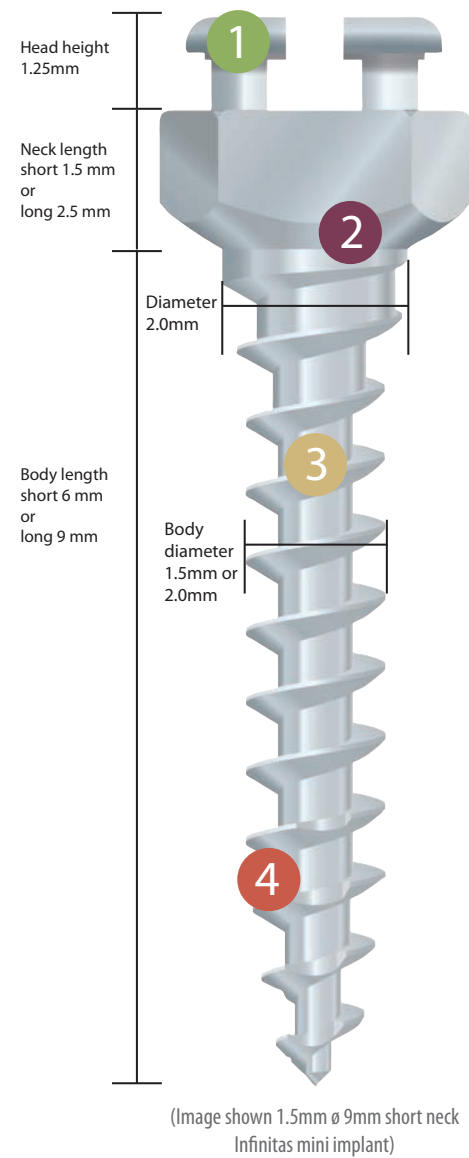
### The Infitas Mini Implant System

A versatile Temporary Anchorage Device (TAD). TAD systems offer fixed anchorage to assist with the efficiency of your orthodontic treatment. This is useful when you encounter the need for space closure, tooth uprighting, open bite correction, molar distalization, and a number of other applications.

When deciding which mini implant system to purchase there are a number of considerations for the clinician:

- How easily will auxiliaries such as closing coil springs or elastomeric chain attach to the head?
- How comfortable will it be for the patient?
- How easily will it integrate with my current treatment mechanics?
- Will I need to drill a pilot hole or will the mini implants self-drill?

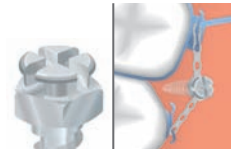
These questions are all addressed with the sophisticated and intelligently designed TAD System – fast becoming the system of choice for many orthodontists.



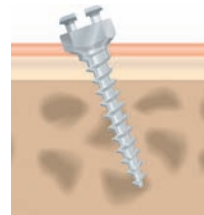
(Image shown 1.5mm  $\phi$  9mm short neck Infitas mini implant)

#### 1 Unique Head Design For Universal Applications (patent pending)

The head of the Infitas mini implant is designed for direct attachment of many forms of traction. Auxiliaries, such as closing coil springs and elastomeric chain and .021"x.025" rectangular wire are held securely on one traction level, in the undercuts of this low profile head design. In particular there is no need for custom made closing coil springs.



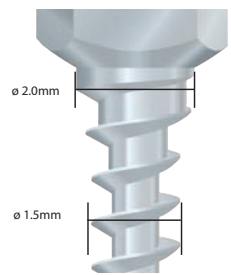
#### 2 Angled Transmucosal Neck Design



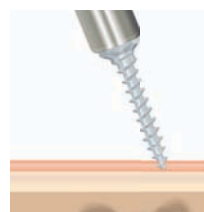
- Transmucosal Neck is designed to allow insertion at any angle due to the favorable contact between the mucosa and angled neck.
- Two neck heights:
  - Short neck for areas of thin mucosa.
  - Long neck for areas of thick mucosa.

#### 3 Unique Body Design

- The Infitas cutting thread is designed to increase mini implant stability as its thread continues the full length of the mini implant body and therefore, through the cortical bone.
- The unique tapered design of the mini implant is designed to enhance engagement of the cortical bone. The 1.5mm diameter version benefits from the coronal end of the body broadening out to a diameter of 2mm while still permitting easy inter-proximal placement.



#### 4 Self-Drilling Insertion Technique



All Infitas mini implants are designed to be self-drilling, to ease insertion and maximize stability. The self-drilling thread avoids the need to pre-drill a full pilot hole.

Note: During placement in dense cortical bone excessive torque is avoided with the use of the unique Infitas Cortical Bone Punch.

## MINI IMPLANT SELECTION

### Mini-Implant Selection

The TAD System can be used to provide bone anchorage in virtually any maxillary/mandibular interproximal site and in the hard palate, although the most frequently utilized insertion site is buccal and mesial to the maxillary first molar. The insertion site is determined by individual anchorage demands and anatomical factors (e.g. bone quantity, root and sinus positions). The exact insertion site is selected by studying each patient's dental model and radiographs (OPT and/or periapical views) together. General guidelines for usage are:

Color Coded	Diam.	Body Length	Neck Length	Non-Sterile Code	Sterile Code	Typical Insertion Sites
	1.5	6	Short	95-010-01	95-010-09	Anterior maxilla - perpendicular insertions, Mandible - perpendicular insertions
	1.5	9	Short	95-010-02	95-010-10	Anterior maxilla - oblique insertions, Posterior maxilla - buccal alveolus, Mandible - oblique insertions
	1.5	9	Long	95-010-04	95-010-12	Maxilla - palatal alveolus
	2.0	6	Long	95-010-07	95-010-15	Mid-palate
	2.0	9	Long	95-010-08	95-010-16	Edentulous areas - Temporary restorative abutment

This should be used as a guide only; patient anatomy may vary.



95-010-01/09 and 95-010-02/10 may be used in this area



Not shown in diagram as used in edentulous areas

### A Simple Approach

As with all meaningful innovation, it should make orthodontic daily practice easier and integrate with minimal effort into both the practice and treatment; Infitas has been designed to do just this.

- One multi-purpose head design simplifies the choice for the clinician.
- An ergonomically designed standard handle, houses the Screwdriver, Mucotome and Cortical Bone Punch inserts, for a cost effective system.
- The Guidance System (95-010-49R/95-01049S), provides the ease and confidence needed for more difficult insertions. Available separately.



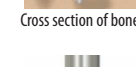
#### Standard Handle 95-010-20

The ergonomic design of the standard handle allows greater stability when placing Infitas mini implants. The handle is used to hold each standard insert using a simple latch grip method.



#### Screwdriver Insert Standard 95-010-21 / Mini 95-010-26

Infitas mini implants are self-drilling and in many clinical situations can be placed directly through the mucosa using the Infitas screwdriver. The pentagonal fit of the screwdriver securely holds the head of the mini implant during insertion. Available as standard size to fit into the standard handle or mini insert for use in a contra-angle speed reducing handpiece.



#### Mucotome Standard 95-010-22 / Mini 95-010-27

The Infitas mini implant is designed for transmucosal insertion, but the mucotome (soft tissue punch) is required when the mini implant will penetrate thick (e.g. palatal) or mobile mucosa. By rotating the punch against the tissue a circle will cleanly be removed. Available as standard size to fit into the standard handle or mini insert for use in a contra-angle speed reducing handpiece.



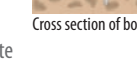
#### Cortical Bone Punch Standard 95-010-23 / Mini 95-010-28

It is beneficial to use the cortical bone punch in areas of dense cortical bone e.g. the posterior mandible, the mid-palate, and the palatal alveolus. Indentation of the cortical bone using the 2mm long diamond hard tip reduces insertion torque and prevents slipping of the mini implant tip when being placed at an oblique angle. Available as standard size to fit into the standard handle or mini insert for use in a contra-angle speed reducing handpiece.



#### Mini Screwdriver 95-010-25

For use in difficult areas such as the palate. The manual Mini Screwdriver allows the clinician to place mini implants while in full control of the insertion torque.



#### Surgical Instrument Tray 95-010-29

The aluminum surgical instrument tray is designed to securely house each of the inserts to ensure they will not be damaged in transit.