



A simple approach to anchorage



Dentsply
Sirona
Orthodontics



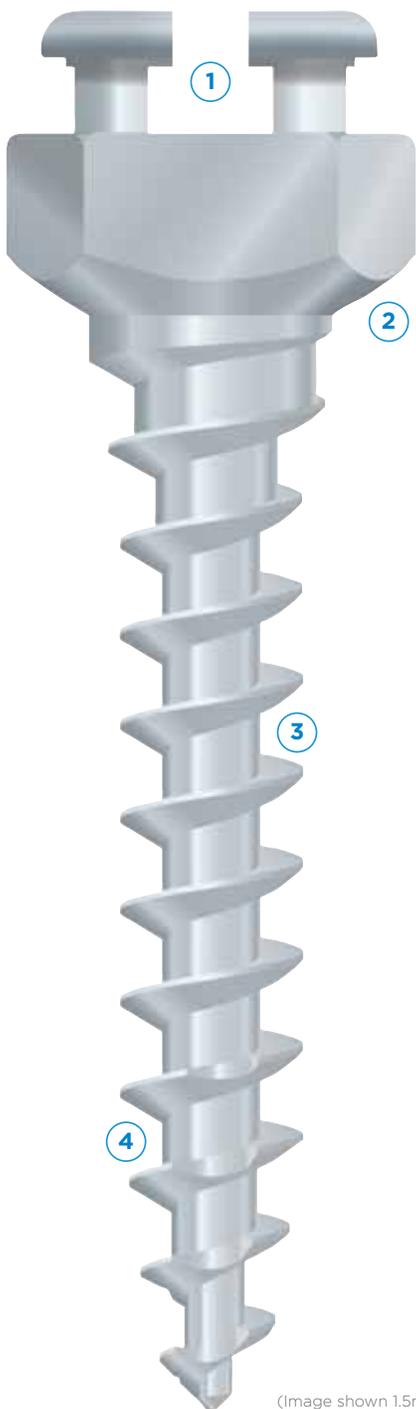
infinitasTM
mini implant system

Infinitas™ Mini Implant System

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

- 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 Infinitas Mini Implant System – fast becoming the system of choice for many orthodontists.



1 Unique Head Design For Universal Applications (patent pending)

The head of the Infinitas mini implant is designed for easy and direct attachment of all forms of traction. Auxillaries, such as closing coil springs, elastomeric chains and .021x.025 rectangular wires are held securely on one traction level, in the undercut of this sophisticated low profile head design. In particular there is no need for custom made closing coil springs.



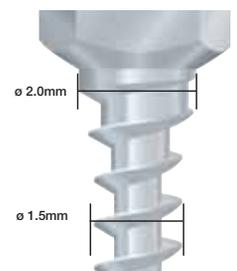
2 Angled Transmucosal Neck Design

1. Angled Transmucosal Neck ensuring ease of insertion and patient comfort when inserted at any angle due to the favorable contact between the mucosa and angled neck.
2. Two neck heights:
 - Short neck for areas of thin mucosa.
 - Long neck for areas of thick mucosa.



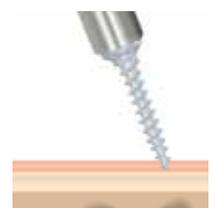
3 Unique Body Design

1. The unique Infinitas cutting thread continues to the full length of the mini implant body, and therefore through the cortical bone maximizing contact and increasing mini implant stability.
2. The unique tapered design of the 1.5 mm diameter mini implant ensures that the coronal end of the body has a diameter of 2 mm for optimum engagement of the cortical bone, while still permitting easy interproximal placement.



4 Self-Drilling Insertion Technique

All Infinitas mini implants are self-drilling, ensuring easy insertion and maximum stability. Their self-drilling thread avoids the need to pre-drill a full pilot hole. During placement in dense cortical bone, excessive torque is avoided with the use of the unique Infinitas Bone Punch.

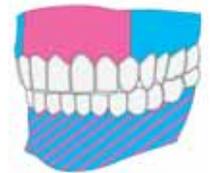


(Image shown 1.5mm ϕ 9mm Shortneck Infinitas mini implant)

Mini-implant selection

The Infitas 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



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

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

A Simple Approach

- 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, provides the ease and confidence needed for more difficult insertions.



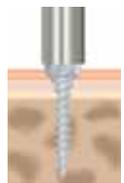
 Not shown in diagram as used in Edentulous areas



Standard Handle

95-010-20

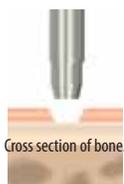
The ergonomic design of the standard handle allows greater stability when placing Infitas mini implants. The handle is used to hold each standard insert using a simple latch grip method.



Screwdriver Insert

Standard 95-010-21 / Mini 95-010-26

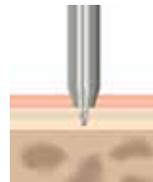
Infitas mini implants are self-drilling and in many clinical situations can be placed directly through the mucosa using the Infitas screwdriver. The pentagonal fit of the screwdriver securely holds the head of the mini implant during insertion. Available as standard size to fit into the standard handle 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 whilst in full control of the insertion torque.



Sterilization Tray

95-010-29

The aluminium sterilization tray is fully autoclavable and has been designed to securely house each of the inserts to ensure they will not be damaged in transit. The tray also has an area for non-sterile implants to be placed to avoid damage to the thread during sterilization.



Clinical Kit

Complete Kits

- 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)
- 95-010-25** 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
- 95-010-29** Infinitas Surgical Aluminium Tray (each)



- 95-010-01 - 95-010-08** Included in Non Sterile Kit
Infinitas mini implants. Non-Sterile (x5)



- 95-010-09 - 95-010-16** Included in Sterile Kit
Infinitas mini implants. Sterile (x5)

- 95-010-60** STERILE KIT
contains 5 sterile implants

- 95-010-65** NON STERILE KIT
contains 5 non-sterile implants

