

IMPLANT SYSTEM

MICRODENT ORTHODONTICS

PRODUCTS GUIDE

www.microdentsystem.com



MICRODENT
IMPLANT SYSTEM

MICROIPLANT SYSTEM ORTHODONTICS

VERSATILE AND STANDARD MICROIMPLANTS



Each orthodontic treatment is unique, so the micro-implants have to be adjusted to each type of treatment. Microdent has five different models that provide the perfect solution for any orthodontic condition.

The new thread of the micro-implants gives them self-drilling and self-tapping capabilities to ensure easy and safe insertion into the bone.



Consult the characteristics of all the instruments, working protocols and clinical cases in the corresponding catalogue:
Orthodontics Ref: M072ES

SURGICAL KIT

The Orthodontics micro-implant kit is prepared to fit the Standard and Versatile systems, and is organised in a way that makes it very easy to work with. It has three configuration types, Basic, Medium and Complete, covering all possible needs. The kit has a capacity for 36 micro-implants, depending on the final quantity of the chosen configuration.



The Orthodontics Kit includes the following items:

- Short rotary screwdriver.
- Long rotary screwdriver.
- Drill.
- Manual phillips screwdriver.
- Contra-angle phillips screwdriver.
- Manual spanner for Versatile Micro-implants.
- Contra-angle spanner for Versatile Micro-implants.
- Manual spanner for Standard Micro-implants.
- Contra-angle spanner for Standard Micro-implants.
- Manual screwdriver handle.



VERSATILE MICROIM-PLANTS

The Versatile system consists of three models, Versatile, Versatile Short and Versatile Orthopaedic, all of them for temporary orthodontic use. They can be used in the maxilla or mandible as an alternative to conventional anchorage methods and are made of grade 5 titanium, a biocompatible alloy that provides better mechanical parameters, elastic behaviour and surface qualities. Its main function is to serve as an independent anchorage point and thus avoid transmitting unwanted reaction forces to other teeth during orthodontic treatments.

Micro-implants can be functionally loaded without a healing phase. Immediate loading promotes contact with the adjacent bone and promotes anchorage quality.

All micro-implants are delivered in sterile form to facilitate clinical workflow.

Bracket type head with internal thread that allows the placement of various attachments.

Quadrangular geometry with 0.018x0.025" grooves for arches allowing the insertion of arches and their fastening with metal ligatures.

Mucous membrane protection collar. Without thread for the perfect seal. For optimal adaptation of the gingiva and prevents irritation.

0.9 mm hole for traction with elastic thread, retroligatures, etc.

Inverted thread design for improved tensile strength, self-drilling and self-tapping for easy insertion. Guarantees excellent primary stability without the need for drilling with a guide drill.

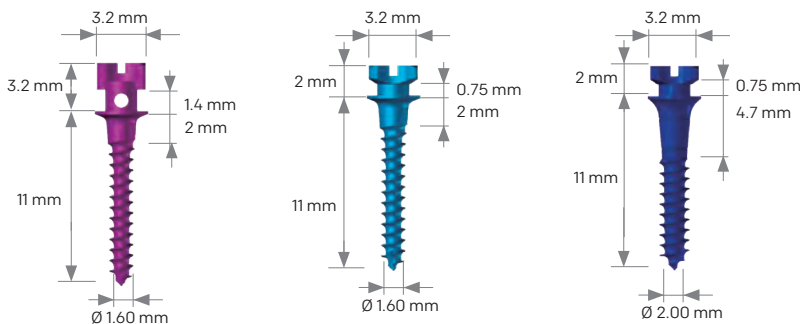
Grade 5 titanium with high biocompatibility and greater rigidity for load transmission.

Micro-implants Length	Versatile Ø 1.60	Versatile Short Ø 1.60	Versatile Orthopaedic Ø 2.00
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L 7	MIA1607	-	-
L 9	MIA1609	MIAC1609	-
L 11	MIA1611	MIAC1611	MIAC2011
L 13	-	-	MIAC2013
L 16	-	-	MIAC2016



Detail of the Versatile Micro-implant head



Detail of the self-drilling tip of the Versatile Micro-Implant

MODELS

VERSATILE MICRO-IMPLANT

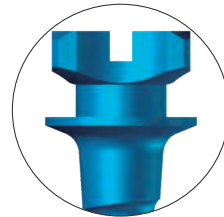
Self-drilling and self-tapping for easy insertion, it guarantees excellent primary stability without the need for a guide drill.



Head height of 2 mm which is favourable for ligatures and arches.

SHORT VERSATILE MICRO-IMPLANT

Version of the Versatile Micro-implant with a smaller head, designed for a decrease in height and a lower profile in the construction of devices designed for the upper jaw, improving patient comfort.



Reduced head; lower height and profile in the device design.

ORTHOPEDIC VERSATILE MICRO-IMPLANT

Version of the Versatile Short Micro-implant with a larger external thread diameter, in this case $\varnothing 2.00$, specifically for palatal use. Designed to withstand higher forces, such as those in skeletally supported expanders (MARPE).



This area has markings every 1 mm to control insertion more precisely.



ATTACHMENTS

SEALING SCREW

Its function is to protect and cover the internal thread of the micro-implant and to protect the patient from possible injuries and discomfort



RETAINING SCREW

Allows the lateral bracket and palatal bar support to be attached to the head of the micro-implant.



PALATAL BAR SUPPORT

It is used to solder maxillary palatal devices on micro-implants. Available in analogue and digital format.



LATERAL BRACKET

Anchorage and placement of arches through micro-implants.



REPLICAS AND TRANSFER

Taking impressions for maxillary-palatal orthodontic devices. Available in analogue and digital format.



EXPANDER ASSEMBLY

Assembly to be attached to an expander, consisting of the guide ring for micro-implant (ATMIAC) and the closing cap for the guide ring (ATTCMIA), which allows the guided insertion of the micro-implants. Available in analogue and digital format.



STANDARD MICRO- IMPLANTS

The Standard system has the same qualities as the Versatile system. Its new, more self-drilling and self-tapping thread facilitates placement, and the shape of the head inhibits gingival overgrowth. The cylindrical threaded shaft ensures optimal clamping in the bone and tolerates a higher load than the conical construction.

The head of the micro-implant is hexagonal in shape. The endo-osseous part, of variable length, has a threaded profile and has notches in the most apical part that gives it great capacity for self-drilling and self-tapping.

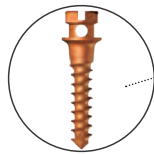
The Standard Fine model, with a diameter of 1.30 mm, is suitable for use in the interradicular areas of the teeth.

All micro-implants are delivered in sterile form to facilitate clinical workflow.

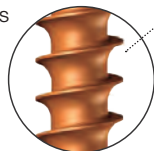
Double system with hexagonal and knurled head for the direct use of a screwdriver on the micro-implant.



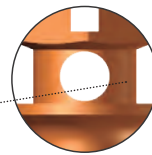
Grade 5 titanium with high biocompatibility and greater rigidity for load transmission.



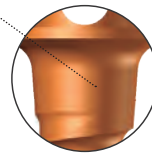
Inverted thread design improves tensile strength.



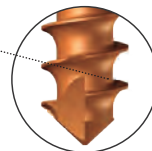
Orifice Ø 0.90 mm. Suitable for all common wire types used, coils, elastic ligatures.



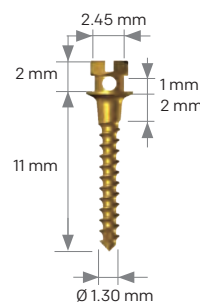
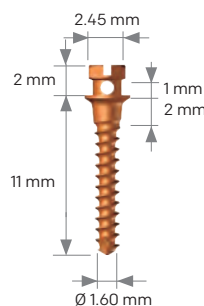
Threadless mucosal protector collar for optimal gingival adaptation.



New self-drilling and self-tapping threads for easy insertion. Guarantees excellent primary stability without the need for pilot holes.



Micro-implants Length	Standard Ø 1.60	Standard Fine Ø 1.30
L 7	MIAS1607	MIAS1307
L 9	MIAS1609	MIAS1309
L 11	MIAS1611	MIAS1311



Detail of the Standard Micro-implant head



Detail of the self-drilling tip of the Standard Micro-implant

