



# Mtwo. The world of simple and safe endodontics

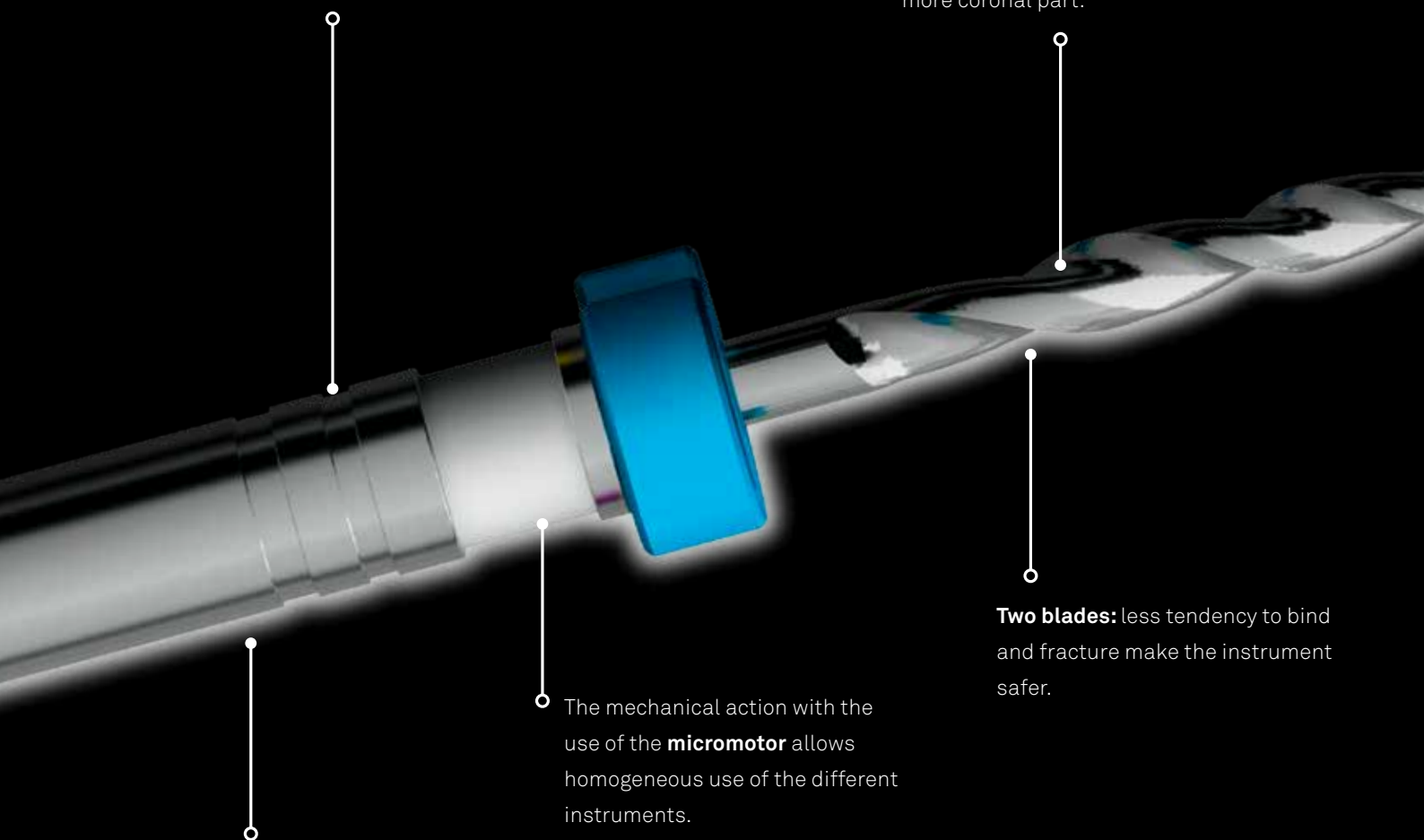
## Instruments with increasing taper

- rapid and early elimination of coronal interferences with direct and facilitated access to the apical third;
- faster and more efficient preparation;
- possibility to shape the canal in the most suitable way for the desired obturation technique;
- more space for irrigating solutions.

All Mtwo instruments are visually characterized by the presence of **one** or **more colored rings** and/or by **one** or **more engraved rings on the shank**. These elements uniquely identify the instruments, so that operators can easily distinguish and identify them.

Maximum width of the flutes to increase the flexibility of the instrument.

The width of the helix **increases progressively** from the apex towards the more coronal part.



**11 mm** shank specific for contra-angles with small heads, to access the posterior sectors more easily.

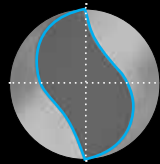
The mechanical action with the use of the **micromotor** allows homogeneous use of the different instruments.

**Two blades:** less tendency to bind and fracture make the instrument safer.

## the NiTi FILE no. 1 in Endodontics

The sharp cutting edges enhance cutting ability and facilitate advancement.

Higher debris removal efficiency and reduced clogging.



Two blades with minimal radial contact point allow effective cutting uniformity.



### S ITALICA

- Two-blade design;
- the original Mtwo design, the most copied on the market.

**The Mtwo instruments operate at various levels in the canal, smoothing curvatures and widening the more coronal portions through a lateral cutting action.**

- Greater efficiency in the preparation of the coronal third;
- advances easily without the need for pushing, in an effective and continuous way;
- easy shaping up to the apex, thanks to its advancing capability.

*All Mtwo instruments are offered in sterile blisters of 6 pieces.*

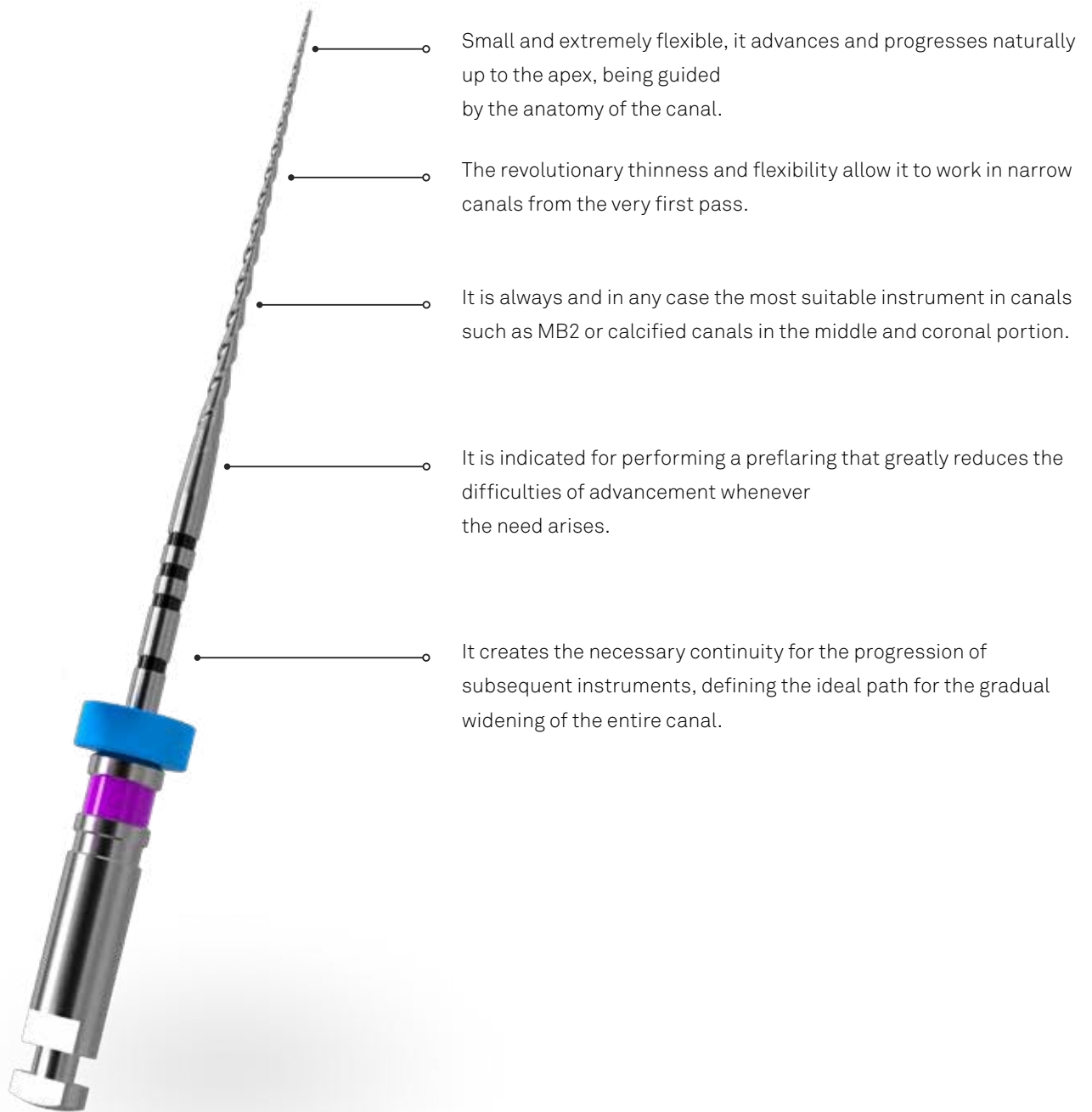
# Mtwo instruments for scouting

Scouting can be performed mechanically in a predictable way with a single instrument: **Mtwo 10/04**. In the case of more complex canals, the choice between two additional instruments allows all situations to be resolved: **Mtwo minimal 10/03** and **Mtwo minimal 10/035**.

## Mtwo 10/04

**The jewel of the Mtwo range. The absolute uniqueness of the Mtwo system.**

It has revolutionized the way scouting is performed.



Small and extremely flexible, it advances and progresses naturally up to the apex, being guided by the anatomy of the canal.

The revolutionary thinness and flexibility allow it to work in narrow canals from the very first pass.

It is always and in any case the most suitable instrument in canals such as MB2 or calcified canals in the middle and coronal portion.

It is indicated for performing a preflaring that greatly reduces the difficulties of advancement whenever the need arises.

It creates the necessary continuity for the progression of subsequent instruments, defining the ideal path for the gradual widening of the entire canal.

Mtwo scouting		21 mm 16 mm of working part	25 mm 16 mm of working part	25 mm 21 mm of working part	31 mm 21 mm of working part
	10/04	M210041	M210045	M210045N	M2100431

## Mtwo minimal 10/035 • Mtwo minimal 10/03

Where the Mtwo 10/04 instrument cannot reach.



### Mtwo minimal 10/035

Intermediate size between the 10/04 and the 10/03.

Being a little larger than the 10/03, it can work in the middle and coronal area similar to the 10/04 but is more suitable for small canals.

### Mtwo minimal 10/03

It manages to insert itself where the extreme complexity of the canal does not allow the Mtwo 10/04 to advance. Usable in canals where scouting difficulties are concentrated in the last 3-4 mm.

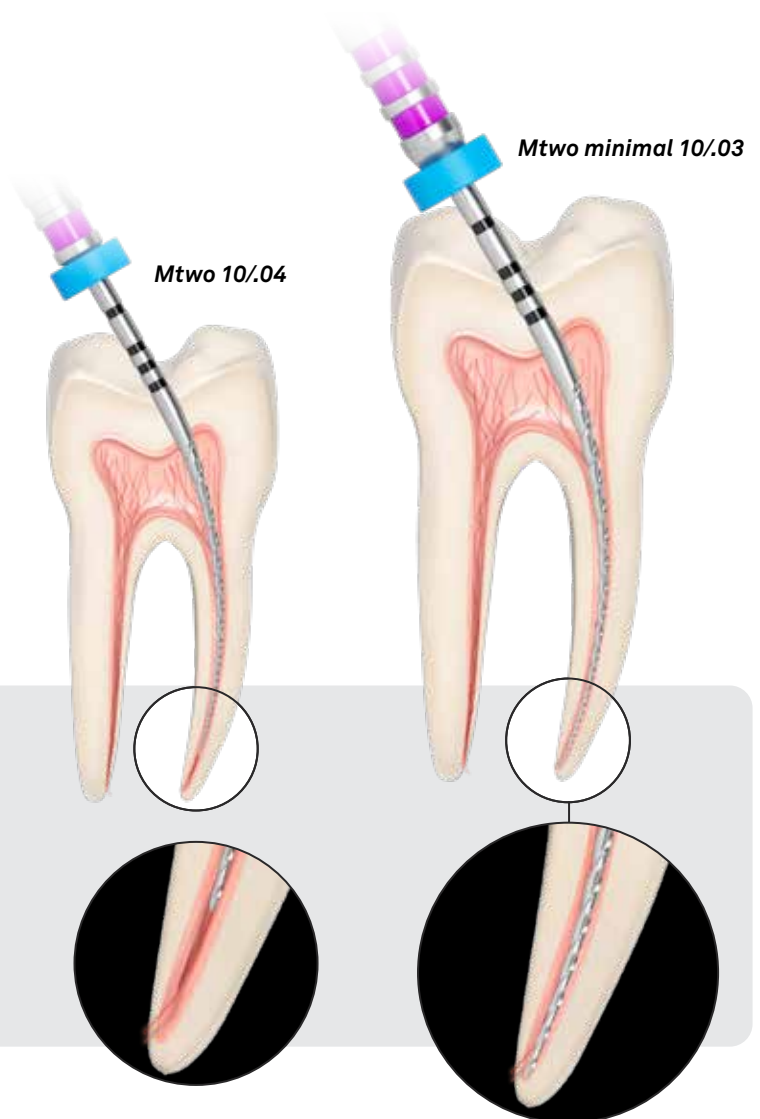
In that area, it performs a simultaneous job of advancing and widening the already traversed portion, in order to facilitate reaching the apex.



### Why three instruments for scouting?

Because now it is possible to choose the scouting instrument that reaches where the others do not reach!

*“Mtwo 10/04 has set the standard for other instruments, remaining the “leader” in this specific task. The new Mtwo minimal instruments for scouting have been developed for particular situations after clinical experience with Mtwo 10/04 on hundreds of thousands of cases.”*

*Prof. Vinio Malagnino (Rome)*



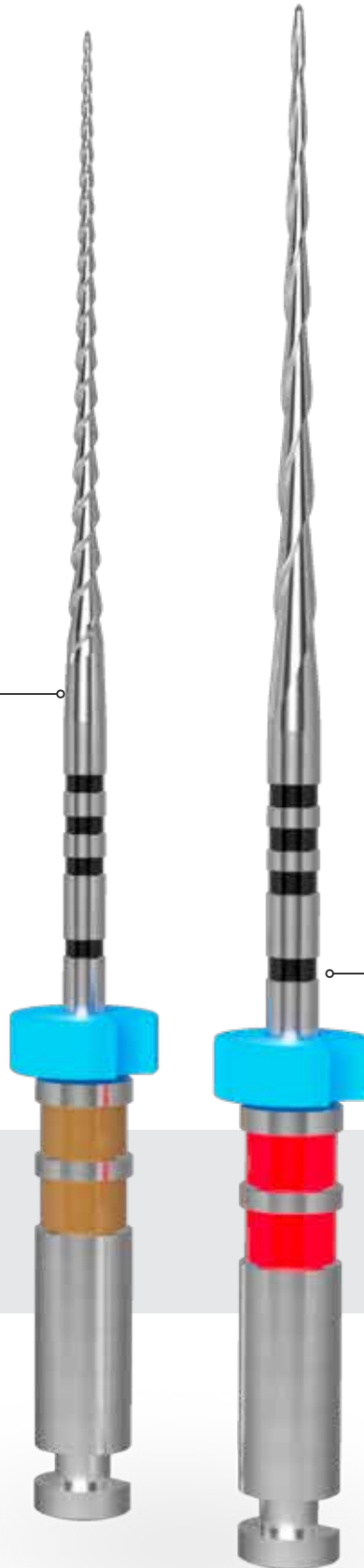
Mtwo scouting minimal		21 mm 16 mm of working part	25 mm 16 mm of working part
	10/03	M210031	M210035
	10/035	M2100351	M2100355

# Mtwo minimal: preparation with only 2 instruments

## Mtwo minimal 17.5/.045 • Mtwo minimal 25/.05

- A sequence of only 2 instruments allows, thanks to the special design of the Mtwo, to prepare 95% of root canals;
- the Mtwo minimal preserve the wall thicknesses of the root canals, preventing failures often related to over-instrumentation of the canals.

The 17.5/.045 instrument is able to easily reach the apex.



The next instrument 25/.05, thanks to the previous preparation with the 17.5/.045, is able to traverse and shape the canal up to the apex.

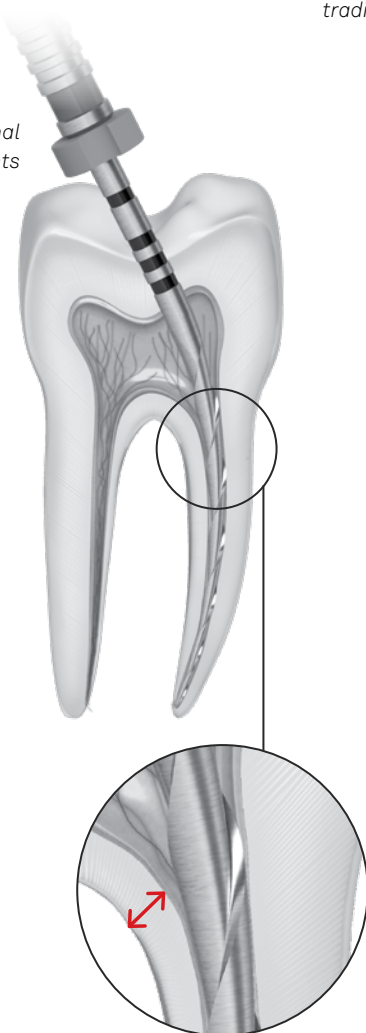
- > Less chair time
- > Only 2 steps
- > Minimally invasive sequence

“These new instruments with unprecedented sizes therefore find application in almost all canals, proving to be specifically suitable in cases of small canals but especially with walls that appear particularly thin on radiographs; they are therefore particularly indicated for mesial roots of lower molars with the above-described characteristics and, although to a lesser extent, for buccal roots of upper molars. Of course, the choice of this sequence can be extended to all clinical situations in which the operator considers the appropriate conditions to exist.”

Prof. Vinio Malagnino (Rome)

**Mtwo minimal 25/05** performs a thinner preparation than traditional instruments, with the aim of saving tissue.

Traditional instruments



Instrument  
**Mtwo minimal 25/05**



Mtwo minimal

21 mm  
16 mm of working part

25 mm  
16 mm of working part



17/5/.045

M21750451

M21750455



25/05

M225051

M225055

## The additional sizes of Mtwo. For wider or more complex canals

Mtwo is available in additional sizes that allow, in the case of larger canals, a gradual widening of the preparation in an apico-coronal manner, making it easier to reach the apex immediately thanks to their trunk-conicity.

Low or no tendency to screw in, allowing you to control advancement without risks.

Excellent lateral cutting efficiency with brushing or filing movements.

Increased flexibility thanks to the wide flutes that reduce the volume in the larger instruments.




Easy removal of debris thanks to continuous rotation.

## Mtwo 15/.05 • Mtwo 20/.06 • Mtwo 25/.06

After scouting, if the canal sizes require it, the preparation sequence may include the use in succession with Simultaneous Technique of the 3 more traditional Mtwo instruments, instead of the minimal ones.

In case of suitable sizes, they allow a gradual shaping of the canal suitable for canal obturation performed with the lateral condensation technique. In this case, the apical box can be easily prepared with the specific Mtwo Apical instruments (see pp. 10-11).





These instruments are also available with a working length of 21 mm, instead of the traditional 16 mm. These instruments automatically facilitate the gradual elimination of interferences present on the support wall of the pulp chamber during the progression of the preparation towards the apex.

Mtwo for preparation		21 mm 16 mm of working part	25 mm 16 mm of working part	25 mm 21 mm of working part	31 mm 21 mm of working part
	15/.05	<b>M215051</b>	<b>M215055</b>	<b>M215055N</b>	<b>M2150531</b>
	20/.06	<b>M220061</b>	<b>M220065</b>	<b>M220065N</b>	<b>M2200631</b>
	25/.06	<b>M225061</b>	<b>M225065</b>	<b>M225065N</b>	<b>M2250631</b>

## Mtwo 25/.07 • Mtwo 30/.06 • Mtwo 35/.06 • Mtwo 40/.06

They are used for particularly wide canals. The 25/.07 instrument creates the taper suitable for obturation with vertical condensation, and is particularly recommended for long roots with good dentin thickness.

They are added to the sequence if the apex measures more than 25. They ensure preparations with a logic of progressive flaring proportional to the apical opening.

Mtwo for preparation		21 mm 16 mm of working part	25 mm 16 mm of working part
	25/.07	<b>M225071</b>	<b>M225075</b>
	30/.06	-	<b>M230065</b>
	35/.06	-	<b>M235065</b>
	40/.06	-	<b>M240065</b>

# Mtwo Apical

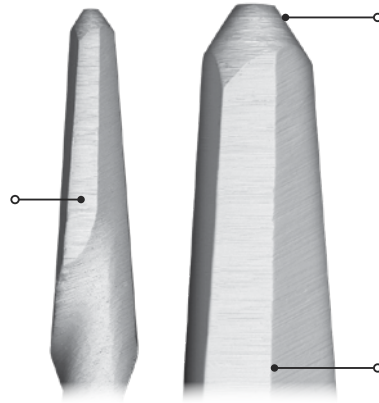
The diameters of the apical foramina range between 020 and 035, except in particular pathologies.

At 1 mm from the apical foramen, the canal diameters are often 8, 10, or even 15 hundredths of a millimeter larger than the apical diameter. The Mtwo Apical are specifically designed to meet the need for preparation in this area, eliminating the need to use traditional manual instruments with standard 02 taper and increasing tip diameters.

The Mtwo Apical are ideal instruments for continuous conical preparation of the apical box for subsequent vertical obturation with the continuous wave condensation technique.


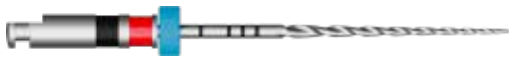

## Mtwo Apical 20-35/.02 • Mtwo Apical 25-40/.02 • Mtwo Apical 25-45/.02

They have the first millimeter of the working part made up of two vertical, non-spiral blades, with a strongly conical shape. The remaining working part, from 1.1 mm to 16 mm in height, has a design that reflects that of all Mtwo instruments.









With the Mtwo Apical instruments, finishing the apical area is easier, as they reach the apex maintaining a small apical diameter but already increase in size at one millimeter distance, adapting to each individual canal, since it is possible to choose the appropriate instrument size each time.

The ISO 02 taper allows the elimination of interferences with already prepared canal walls. These instruments are useful when the tip diameter is 25.

Mtwo Apical	tip diameter	ø at 1 mm	taper		25 mm
			in the 1 <sup>st</sup> mm	beyond the 1 <sup>st</sup> mm	
	020	035	.15	.02	<b>M2AF125</b>
	025	040	.15	.02	<b>M2AF225</b>
	025	045	.20	.02	<b>M2AF325</b>

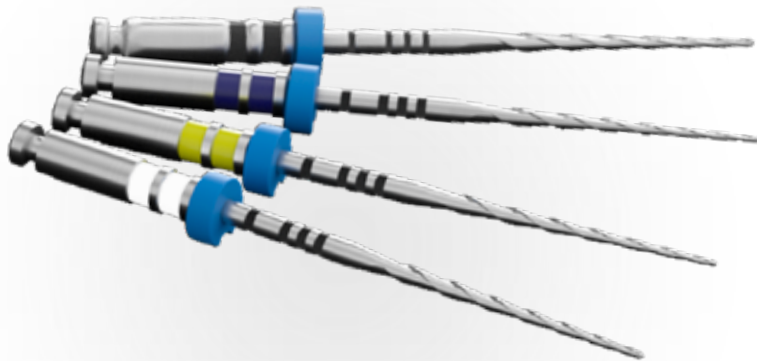
## Mtwo Apical 30/.05 • Mtwo Apical 35/.04 • Mtwo Apical 40/.04 • Mtwo Apical 45/.04 Mtwo Apical 50/.04 • Mtwo Apical 60/.04

When the apex has a diameter larger than 25, these instruments allow you to continue the canal preparation by creating a taper in the apical 5 mm consistent with the width of the apical diameter.

Mtwo Apical		21 mm 16 mm of working part	25 mm 16 mm of working part	31 mm 21 mm of working part
	30/.05	<b>M230051</b>	<b>M230055</b>	<b>M2300531</b>
	35/.04	<b>M235041</b>	<b>M235045</b>	<b>M2350431</b>
	40/.04	<b>M240041</b>	<b>M240045</b>	<b>M2400431</b>
	45/.04	-	<b>M245045</b>	<b>M2450431</b>
	50/.04	-	<b>M250045</b>	-
	60/.04	-	<b>M260045</b>	-

# Mtwo Apical minimal

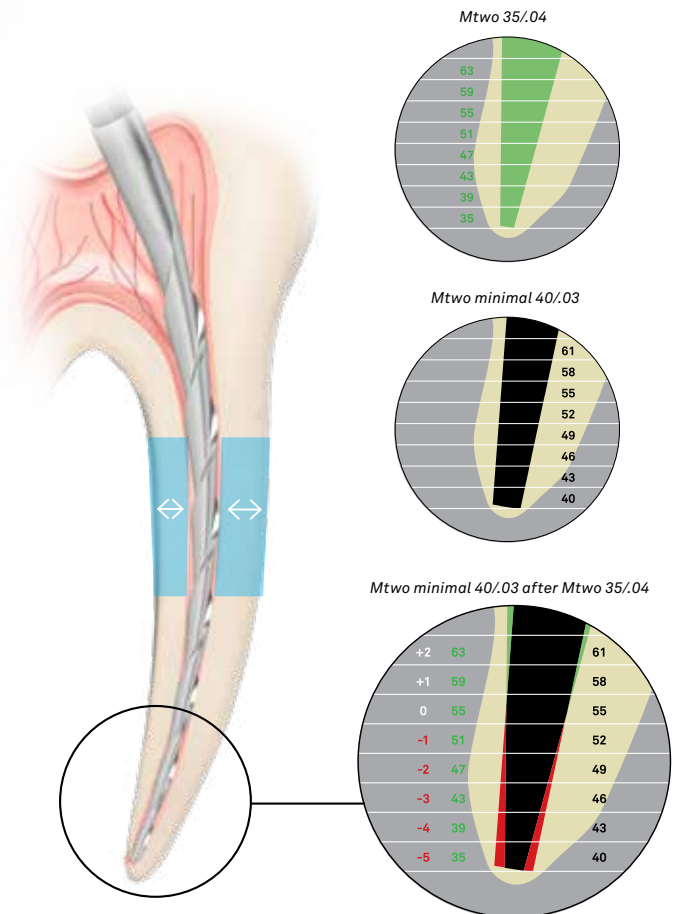
Mtwo Apical minimal 40/.03 • Mtwo Apical minimal 45/.03  
 Mtwo Apical minimal 50/.03 • Mtwo Apical minimal 60/.02







In the presence of thin roots, it is extremely important to be able to preserve the wall thicknesses. The Mtwo Apical minimal instruments, available with .02 and .03 taper, focus their cutting action in the last millimeters of the root canals, decreasing as you move away from the apex.

The instruments with .03 taper can be used for the preparation of the apical 5 mm after preparation with tip diameters less than 40 and .04 taper, and they do not affect the middle and coronal portion of the canal in any way.

The instruments with tip 60 and .02 taper are used when the apex is even larger and it is useful to safeguard the wall thicknesses as much as possible.



Mtwo Apical minimal		25 mm 16 mm of working part
	40/.03	M240035
	45/.03	M245035
	50/.03	M250035
	60/.02	M260025

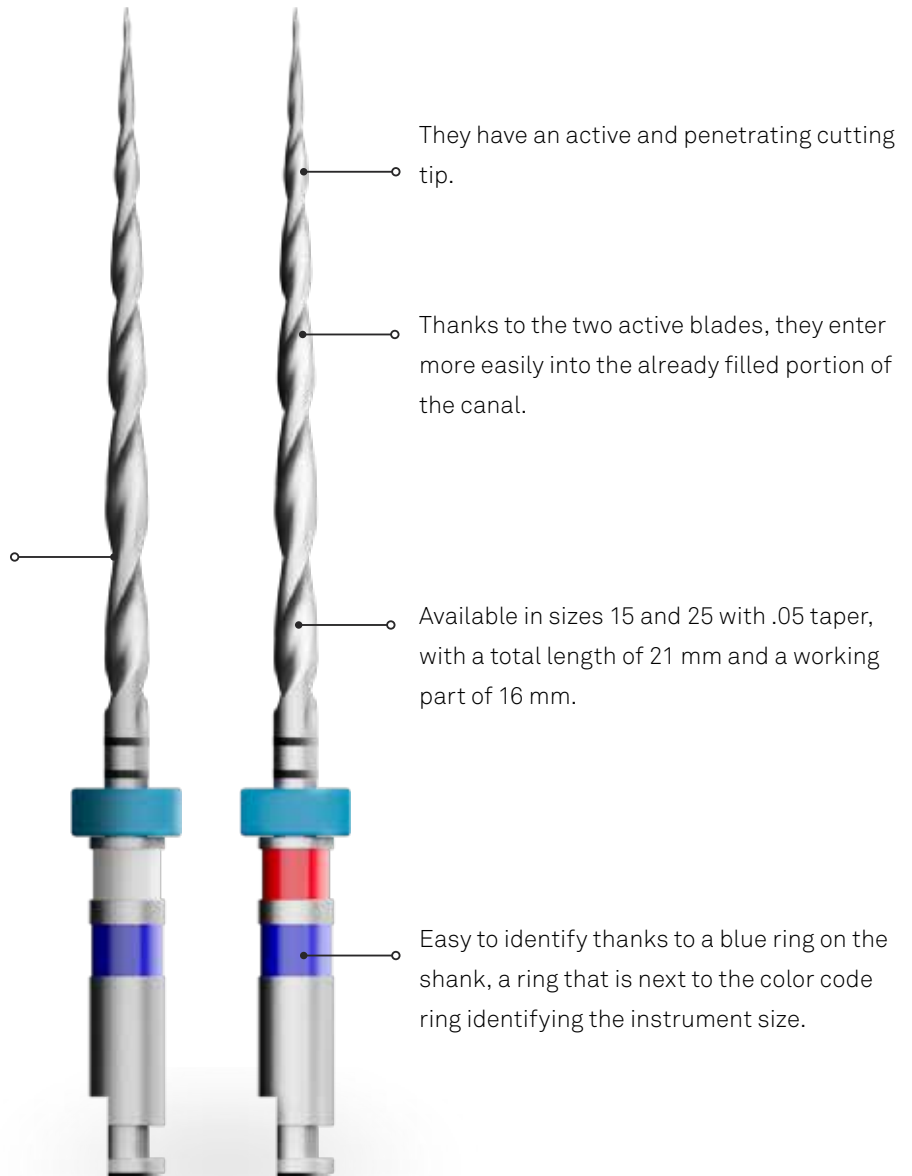
# Mtwo Retreatment

## Mtwo Retreatment 015 • Mtwo Retreatment 025

The Mtwo Retreatment are instruments indicated for retreatment canals already filled with gutta-percha or other materials.



Specifically designed to overcome the limitations of traditional alternatives. They perform better than the smooth-tipped and oversized instruments available on the market. Compared to the use of traditional manual instruments, the considerable waste of time is eliminated. Compared to the use of mechanical steel instruments, the risk of creating ledges is reduced.

The increasing pitch in the distal direction, but less elongated and tighter compared to the Mtwo preparation instruments, allows the instrument to advance more quickly but safely in the pre-existing filling material.



The ideal retreatment sequence involves three steps:

1. Use of Mtwo Retreatment 015 and 025 in succession;
2. Use of manual steel instruments 08-10-15;
3. Use of Mtwo for scouting and preparation in the sequence 10/.04-15/.05-20/.06-25/.06.

Mtwo Retreatment	tip gauge	taper	21 mm 16 mm of working part
	015	.05	<b>M2RF15</b>
	025	.05	<b>M2RF25</b>

## MTWO Filling/ Restoration Gutta-percha

They are made with specific sizes for the filling of canals prepared with Mtwo instruments.

The range includes:

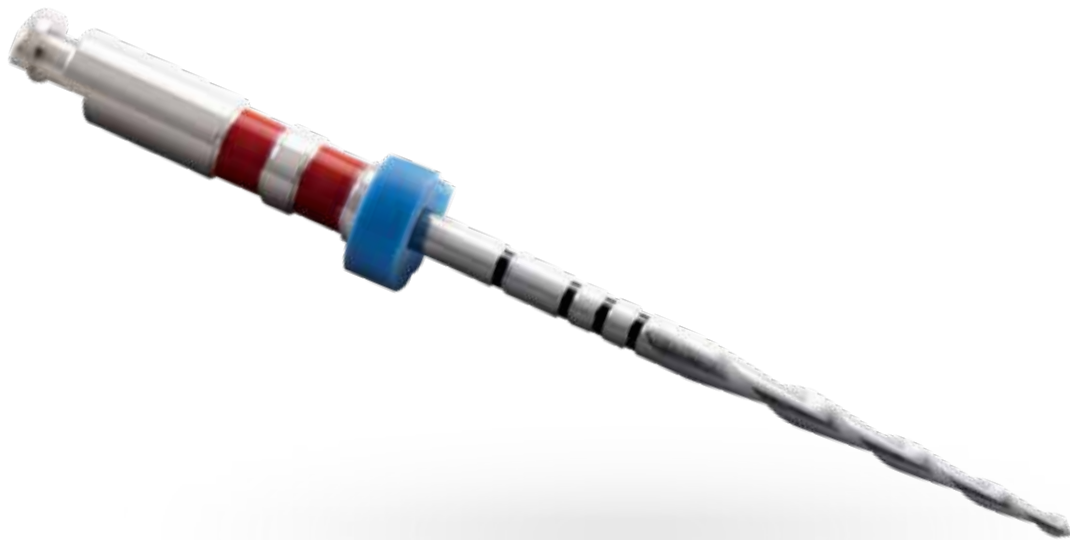
- Mtwo Gutta cones with increasing sizes from 020 to 060 with the taper of the corresponding Mtwo instruments, for vertical filling using the continuous wave condensation technique (e.g., in combination with EQ-V); they are cylindrical from the 13th mm onwards;
- Mtwo Apical Gutta cones, used for filling the apical third after apical finishing with the specific Mtwo Apical instruments.



code	description
<b>M2GP-KIT</b>	Assorted gutta-percha cone kit, in sizes 20/06, 25/06, 30/05, 35/04, 100 pcs.
<b>M2GP-20</b>	Mtwo Gutta 20/06, 100 pcs.
<b>M2GP-2505</b>	Mtwo Gutta 25/05, 100 pcs.
<b>M2GP-25</b>	Mtwo Gutta 25/06, 100 pcs.
<b>M2GP-30</b>	Mtwo Gutta 30/05, 100 pcs.
<b>M2GP-3006</b>	Mtwo Gutta 30/06, 100 pcs.
<b>M2GP-35</b>	Mtwo Gutta 35/04, 100 pcs.
<b>M2GP-3506</b>	Mtwo Gutta 35/06, 100 pcs.
<b>M2GP-4003</b>	Mtwo Gutta 40/03, 100 pcs.
<b>M2GP-4004</b>	Mtwo Gutta 40/04, 100 pcs.
<b>M2GP-4503</b>	Mtwo Gutta 45/03, 100 pcs.
<b>M2GP-4504</b>	Mtwo Gutta 45/04, 100 pcs.
<b>M2GP-4006</b>	Mtwo Gutta 40/06, 100 pcs.
<b>M2GP-5003</b>	Mtwo Gutta 50/03, 100 pcs.
<b>M2GP-5004</b>	Mtwo Gutta 50/04, 100 pcs.
<b>M2GP-6002</b>	Mtwo Gutta 60/02, 100 pcs.
<b>M2GP-6004</b>	Mtwo Gutta 60/04, 100 pcs.
<b>M2GP-A1</b>	Mtwo Apical Gutta, size 1, 100 pcs.
<b>M2GP-A2</b>	Mtwo Apical Gutta, size 2, 100 pcs.
<b>M2GP-A3</b>	Mtwo Apical Gutta, size 3, 100 pcs.

## Mtwo Drill 55.06

Mtwo Drill is a tool designed to prepare the housing for a post in a canal previously prepared and filled with gutta-percha. Mtwo Drill is able to remove the gutta-percha without altering the shape of the previously prepared canal, as it does not work on the walls. It is extremely simple to use, as thanks to its size it has excellent gutta-percha removal capacity. It creates adequate space for the post, also leaving a minimal space for the cement.



code	description
<b>M2PF</b>	Mtwo Post File, size 55/.06, pack of 4 pcs. sterile





rev. 05-26



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The Mtwo canal instruments are medical devices manufactured by Sweden & Martina S.p.A. in accordance with ISO 9001:2015 and ISO 13485:2021 standards.  
The Mtwo canal instruments are CE marked in accordance with Regulation (EU) 2017/745.  
The gutta-percha products are CE0197 marked medical devices manufactured by Gapadent Co. Ltd (China).



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