

# BONDENT ENDO SOLUTION

[www.bondent.eu](http://www.bondent.eu)



# Contents

Files

03~36

|    |                               |       |
|----|-------------------------------|-------|
| 03 | M3 pro gold series            |       |
|    | M3-PRO GOLD V2                |       |
|    | M3-PRO GOLD V3                |       |
| 09 | SuPliable                     |       |
| 12 | UDG-PLATINUM V.EU             |       |
| 14 | M3-LARGE TAPER GOLD           |       |
| 16 | M3-L Platinum                 |       |
| 20 | FLASH                         |       |
| 22 | W-ONE GOLD                    |       |
| 23 | M3-RB                         |       |
| 24 | M3-RG                         |       |
| 25 | CC ONE BLUE                   |       |
| 26 | M3 Path                       |       |
| 27 | M3 Safe path                  |       |
| 28 | M3 opener                     |       |
| 29 | M3 RT                         |       |
| 30 | M3 immature blue              |       |
| 31 | M3 T                          |       |
| 32 | M3 MAX                        |       |
| 34 | Stainless Steel C Files       |       |
| 34 | Stainless Steel K Files       |       |
| 35 | Stainless Steel H Files       |       |
| 35 | Stainless Steel R Files       |       |
| 36 | Micro-Shaper/Micro-Opener     |       |
| 36 | M3-Large Taper Gold Hand File |       |
| 37 | Accessories                   | 37~41 |
|    | GP                            |       |
|    | PP                            |       |
|    | Irrigation needle             |       |
|    | Plugger                       |       |
|    | Hand Files Holder             |       |
|    | Measure Ruler                 |       |
|    | Endo Box                      |       |
|    | Endo training tooth           |       |
|    | training block                |       |

Motors & Apex Locators

42~53

- Marc III
- Iroot pro
- Endo wise
- Endo wise plus
- Marc Eco
- iRoot Eco
- iRoot Apex
- Wispex
- eFiller
- eHeater
- Actor I pro



 **Bondent Group** is a platform that provides "integrated services" for the dental profession. From education and training of doctors, from international cutting-edge technology, to self-reliant domestic research, development and manufacturing, the company is committed to creating a new and healthy dental-medical ecosystem through seamless integration of physical and virtual presence, thereby, improving the quality of personal and professional lives of dentists around the world.

[www.bondent.eu](http://www.bondent.eu)

## Endodontics

---

Our Endodontic line includes engine-driven and hand instruments as well as products used in various procedures during RCT.

# M3-Pro Gold

Gold, Classic, Economic

M3-Pro Gold is a series of multiple sequence files manufactured with the most advanced metallurgy technology. The gold heat treatment enhances the flexibility and resistance to cyclic fatigue. Its convex triangular cross-section increases the cutting efficiency while preserving dentin. It can cover 95% of clinical cases including curved canals. We have 3 versions to adapt to the usage habits of different dentists.

## Design

Markings for easy instrument identification  
The number of rings on the handle indicates the instrument's taper size:  
e. g. 2 rings = taper .06

## The ISO Color Coding

Indicates the size of the instrument tip:  
e. g. Red ISO 25 =  $\phi$  0.25mm

## Calibrated Length Marking

Easy indication of working length during preparation:  
e. g. a M3-Pro Gold 25/.06 with a working length of 25mm has depth markings at 18, 19, 20 and 22 mm, starting from the instrument tip.



**Gold Heat Treatment**  
Enhances Cutting Efficiency

**Convex Triangular Cross-section**

sharp Cutting Edges

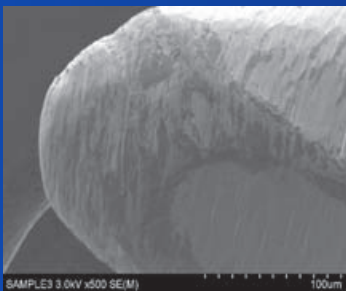


**Suitable for all canals**

Can shape any canal

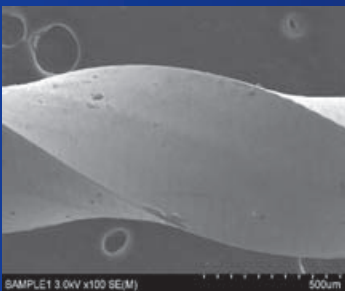
**Safe non-cutting tip**

minimizes risk of ledge formation  
and enhance the debris removal



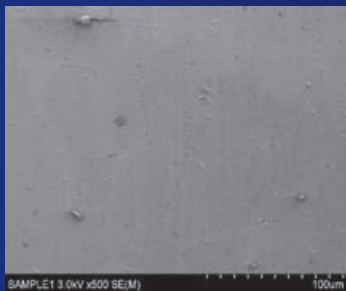
### Non-cutting Tip

The non-cutting tip design allows each instrument to safely follow the secured portion of the canal while the small flat area on the tip enhances its ability to find its way through soft tissue and debris.



### High Flexibility

M3-Pro Gold proprietary processing allows it to follow canal curvature. As such, the file may retain the shape of the canal upon removal. This is normal. The file can be easily straightened or further curved.



### Polishing Technique

Advanced triple polishing technique,  
Eliminate stress point on the surface.

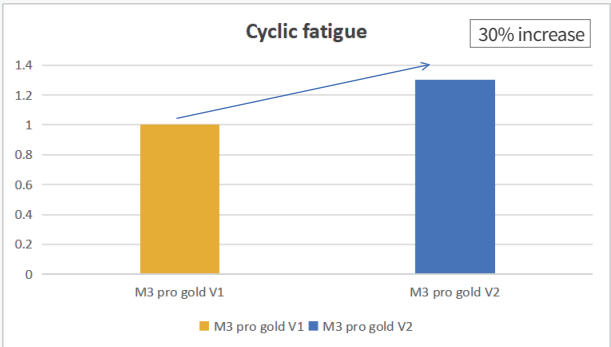
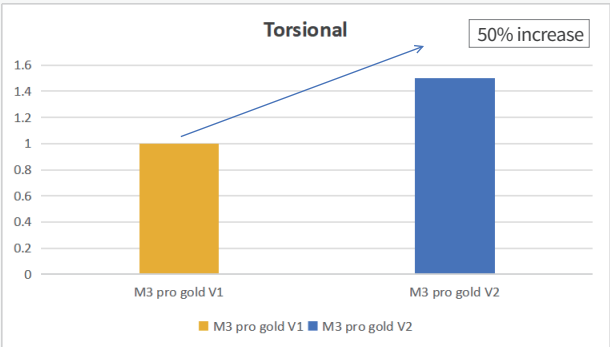
Features:

Focus on the canal negotiation

Use 15/06 instead of 20/04, make smoother negotiations.

Material adjustment

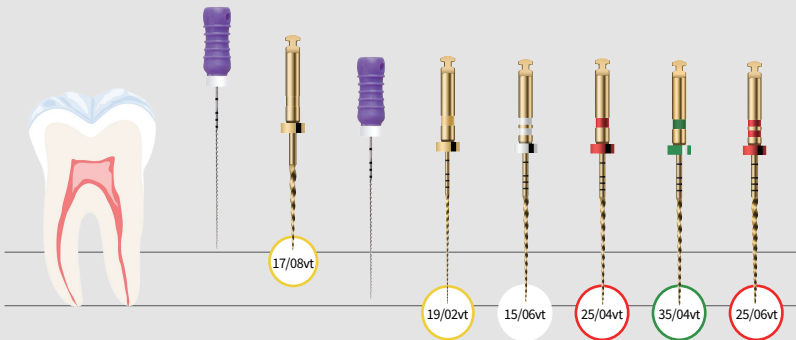
Enhance the rigidity and sharpness of the file, increase the number of usages.  
Compared with V1, V2 has 50% increase on torsional fatigue resistance and 30% increase on resistance to cyclic fatigue.



Clinical Protocol:



Cross Section



Step-by-Step Procedures

- Use #10 stainless steel K file to scout upper 1/3 of the root canal.
- Use Opener (1708) to flare the upper 2/3.
- Use #10 stainless steel K file to measure the working length, and use #15 stainless steel K file to create passage to apex. Use Path file (19/02vt and 15/06vt) to establish reproducible glide path.
- Use 25/04vt, 35/04vt in sequence, with pecking motion or brushing technique, pulling every 1-2mm, to prepare to full working length.
- Irrigate with sodium hypochlorite everytime the file is changed, and recapitulate with #10 stainless steel K file.
- Use 25/06vt is recommended if warm obturation is preferred

Tips: Always keep the canal wet; do not use force.

Assortment or single 6/pack Length: 19mm(only Opener); 21mm; 25mm; 31mm

|        | 17/08vt | 19/02vt | 15/06vt | 25/04vt | 35/04vt | 25/06vt |
|--------|---------|---------|---------|---------|---------|---------|
| Color  | ●       | ●       | ○       | ●       | ●       | ●       |
| Taper  | 8%vt    | 2%vt    | 6%vt    | 4%vt    | 4%vt    | 6%vt    |
| Size   | 17      | 19      | 15      | 25      | 35      | 25      |
| Speed  | 300     | 350     | 350     | 350     | 350     | 350     |
| Torque | 3       | 1.5     | 1.5     | 2       | 2       | 2       |

## Product references



### 17/08vt

19mm MPG2008019017



### 19/02vt

21mm MPG2002021019  
25mm MPG2002025019  
31mm MPG2002031019



### 15/06vt

21mm MPG2006021015  
25mm MPG2006025015  
31mm MPG2006031015



### 25/04vt

21mm MPG2004021025  
25mm MPG2004025025  
31mm MPG2004031025  
GP/PP 25/04



### 35/04vt

21mm MPG2004021035  
25mm MPG2004025035  
31mm MPG2004031035  
GP/PP 35/04



### 25/06vt

21mm MPG2006021025  
25mm MPG2006025025  
31mm MPG2006031025  
GP/PP 25/06

### Assorted

17/08vt(19mm),19/02vt,15/06vt,  
25/04vt,35/04vt,25/06vt

21mm MPG2000021A01  
25mm MPG2000025A01  
31mm MPG2000031A01

# M3-Pro Gold V.3



📌 M3-Pro Gold is a series of multiple-sequenced files that are made of the most advanced metallurgy. The gold heat treatment enhances the flexibility and resistance to cyclic fatigue. Its convex triangular cross-section increases the cutting efficiency while preserving dentin. It is indicated for the majority of clinical cases even in curved canals. We launched 3 different versions to cater to the needs and preferences of diverse operators.

**NEW**

M3-Pro Gold V.3

M3 pro gold series

## Features:

**Redesign the opener file**

Suitable for curved root canal preparation.

**Add Two variable taper path file**

Attach the importance of negotiation, convenient for the following preparation.

**Material adjustment**

Adjust the rigidity of the file, balance the flexibility and sharpness.

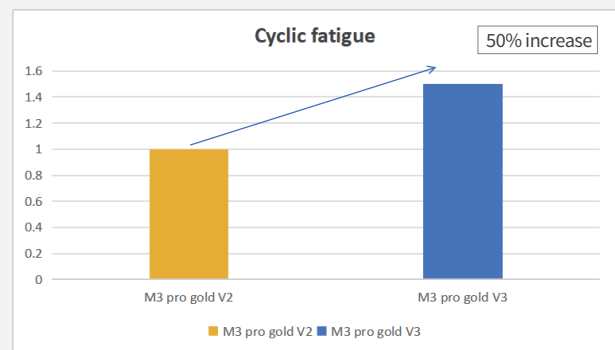
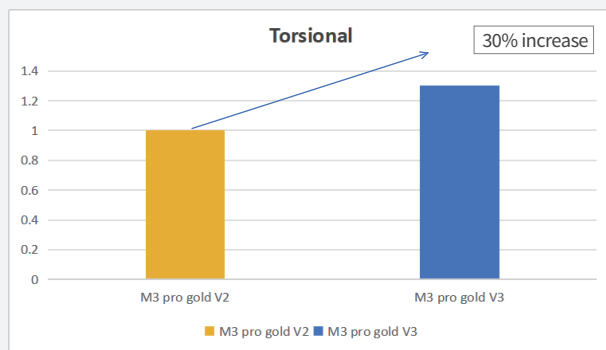
It owns the moderate cutting force and emphasizes minimally invasive concept.

Compare with V2, V3 has 30% increase on Torsional resistance, 50% increase on cyclic fatigue.

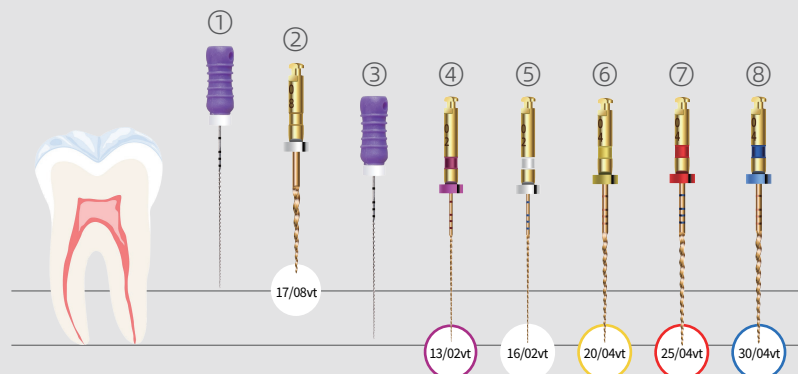


" I love working with the M3 Pro Gold V3 file. This smart kit fulfills the need of every dentist. It merges the cutting efficiency with the flexibility. The glide path file works efficiently in every curved canal. Efficiency & Predictability that is all what an endodontist need in his clinic. "

Prof. Nehal



## Narrow and Regular Canals:



### Step by step clinical procedures:

- 1, Use a #10 stainless steel K file to scout up to 1/3 of the root canal.
- 2, Use opener (1708vt), to pre-flare the coronal and middle 2/3 of root canal.
- 3, Use a #10 stainless steel K file to measure the working length.
- 4,5, Use path file #1302vt for narrow canals or #1602vt for normal canals to establish glide path.
- 6,7,8, Use 2004vt, 2504vt and 3004vt in sequence, rinsing the canal thoroughly after each file. Recap with K file before inserting the next rotary file. Recommended motion: brush technique, pulling every 1-2mm, and prepare to working length.

**Tips:** Keep the root canal wet at all times; do not force the file in.

Assortment or single 6/pack Length: 19mm(only Opener); 21mm; 25mm; 31mm

|        | 17/08vt                                                                           | 13/02vt                                                                           | 16/02vt                                                                           | 20/04vt                                                                           | 25/04vt                                                                             | 30/04vt                                                                             |
|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Color  |  |  |  |  |  |  |
| Taper  | 8%vt                                                                              | 2%vt                                                                              | 2%vt                                                                              | 4%vt                                                                              | 4%vt                                                                                | 4%vt                                                                                |
| Size   | 17                                                                                | 13                                                                                | 16                                                                                | 20                                                                                | 25                                                                                  | 30                                                                                  |
| Speed  | 300                                                                               | 350                                                                               | 350                                                                               | 350                                                                               | 350                                                                                 | 350                                                                                 |
| Torque | 3                                                                                 | 1.5                                                                               | 1.5                                                                               | 2                                                                                 | 2                                                                                   | 2                                                                                   |

Product references

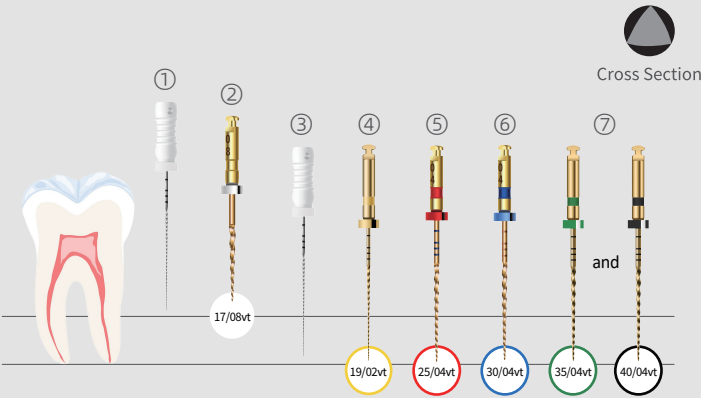
|                                                                                   |                                                                                                             |                                                                                    |                                                                                                             |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|  | <b>17/08vt</b><br>19mm<br>MPG3008019017                                                                     |  | <b>13/02vt</b><br>21mm<br>25mm<br>31mm<br>MPG3002021013<br>MPG3002025013<br>MPG3002031013                   |
|  | <b>16/02vt</b><br>21mm<br>25mm<br>31mm<br>MPG3002021016<br>MPG3002025016<br>MPG3002031016                   |  | <b>20/04vt</b><br>21mm<br>25mm<br>31mm<br>GP/PP<br>MPG3004021020<br>MPG3004025020<br>MPG3004031020<br>20/04 |
|  | <b>25/04vt</b><br>21mm<br>25mm<br>31mm<br>GP/PP<br>MPG3004021025<br>MPG3004025025<br>MPG3004031025<br>25/04 |  | <b>30/04vt</b><br>21mm<br>25mm<br>31mm<br>GP/PP<br>MPG3004021030<br>MPG3004025030<br>MPG3004031030<br>30/04 |
| <b>Assorted</b><br>17/08vt(19mm),13/02vt,16/02vt,<br>20/04vt,25/04vt,30/04vt      | 21mm<br>25mm<br>31mm<br>MPG3000021A34<br>MPG3000025A34<br>MPG3000031A34                                     |                                                                                    |                                                                                                             |

Large Canals:

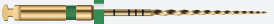
Step-by-Step Clinical Procedures:

- 1, Use a #15stainless steel K file to scout up to 1/3 of the root canal.
- 2, Use opener (1708vt), to pre-flare the coronal and middle 2/3 of root canal. 3, Use a #15 stainless steel K file to measure the working length.
- 4, Use path file #1902vt to establish glide path.
- 5,6,7, Use 2504 vt, 3004vt, 3504vt and 4004vt if necessary in sequence, rinsing the canal thoroughly at each file. Recap with K file before inserting the next rotary file. Recommended motion: brush technique, pulling every 1-2mm, and prepare to working length.

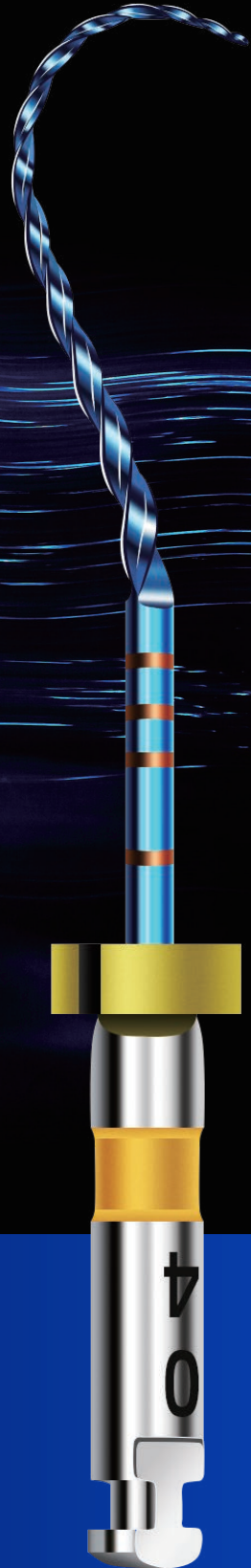
Tips: Keep the root canal wet at all times; do not force the file in.



Product references

|                                                                                                                                      |                                                                                           |                                                                                                                                    |                                                                                                             |                                                                                                                                    |                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|                                                   | <b>19/02vt</b><br>21mm<br>25mm<br>31mm<br>MPG3002021019<br>MPG3002025019<br>MPG3002031019 |                                                 | <b>35/04vt</b><br>21mm<br>25mm<br>31mm<br>GP/PP<br>MPG3004021035<br>MPG3004025035<br>MPG3004031035<br>35/04 |                                                | <b>40/04vt</b><br>21mm<br>25mm<br>31mm<br>GP/PP<br>MPG3004021040<br>MPG3004025040<br>MPG3004031040<br>40/04 |
| Color Taper Size Speed Torque<br> 2%vt 19 350 1.5 |                                                                                           | Color Taper Size Speed Torque<br> 4%vt 35 350 2 |                                                                                                             | Color Taper Size Speed Torque<br> 4%vt 40 350 2 |                                                                                                             |





# SuPliable

● ● ● ● Super. Blue. Pliable

👉 It is a super soft blue file system. This file can be pre-bent and has low rebound. Since most root canals in molars are curved, this product is very clinically friendly during preparations.

### Features:

#### New design

Molar root canals are usually narrow and curved. Using a #15 file can smoothen the root canal walls, thus creating better conditions for subsequent mechanical instrumentation.

#### Excellent flexibility

Using the latest blue diamond alloy. It has better elasticity, softer file body and strong fracture resistance.

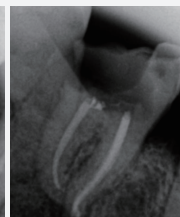
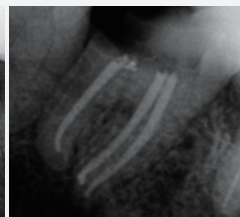
#### Can be pre-bent

It can be pre-bent to enter the root canal, which can conform to the original anatomical shape of the root canal and avoid lateral penetration and ledges.



“I love this blue file. It's easy to pre-bend, super soft and has high cutting efficiency.”

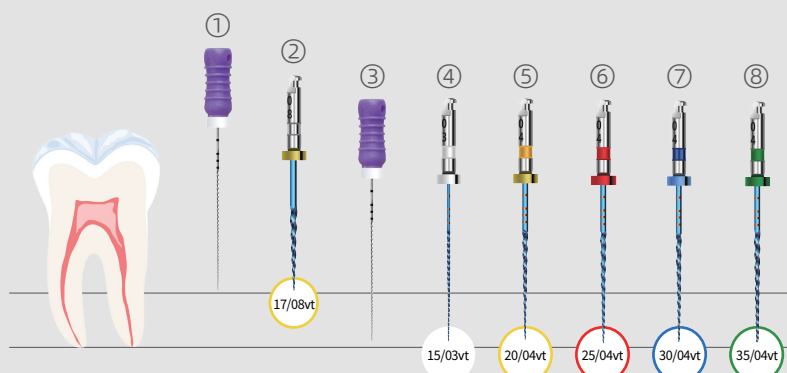
—— Dr. Karim Souror



### Usage Protocol:



Cross Section



#### Step by step clinical procedures:

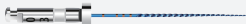
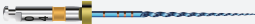
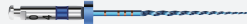
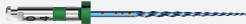
1. Use a #10 stainless steel K file to scout the root canal.
2. Use opener (1708vt), to pre-flare the coronal and middle 2/3 of root canal.
3. Use #10 stainless steel K file for primary patency to measure the working length.
4. Use path file #1503vt to do the secondary patency to the full working length to establish glide path.
- 5, 6, 7, 8. Use 2004 vt, 2504vt 3004vt and if necessary, 3504vt in sequence, rinsing the canal thoroughly after each file. Recap with K file before inserting the next rotary file. Recommended motion: pecking motion, Pulling every 1-2mm, and prepare to working length.

**Tips:** Keep the root canal wet at all times; do not force the file in.

Assortment or single 6/pack Length: 19mm(only Opener); 21mm; 25mm; 31mm

|        | 17/08vt                                                                           | 15/03vt                                                                           | 20/04vt                                                                           | 25/04vt                                                                           | 30/04vt                                                                             | 35/04vt                                                                             |
|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Color  |  |  |  |  |  |  |
| Taper  | 8%vt                                                                              | 3%vt                                                                              | 4%vt                                                                              | 4%vt                                                                              | 4%vt                                                                                | 4%vt                                                                                |
| Size   | 17                                                                                | 15                                                                                | 20                                                                                | 25                                                                                | 30                                                                                  | 35                                                                                  |
| Speed  | 300                                                                               | 350                                                                               | 350                                                                               | 350                                                                               | 350                                                                                 | 350                                                                                 |
| Torque | 3                                                                                 | 1.5                                                                               | 2                                                                                 | 2                                                                                 | 2                                                                                   | 2                                                                                   |

Product references

|                                                                                   |                                                                                                             |                                                                                    |                                                                                                             |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|  | <b>17/08vt</b><br>19mm<br>MSB0008019017                                                                     |  | <b>15/03vt</b><br>21mm<br>25mm<br>31mm<br>MSB0003021015<br>MSB0003025015<br>MSB0003031015                   |
|  | <b>20/04vt</b><br>21mm<br>25mm<br>31mm<br>GP/PP<br>MSB0004021020<br>MSB0004025020<br>MSB0004031020<br>20/04 |  | <b>25/04vt</b><br>21mm<br>25mm<br>31mm<br>GP/PP<br>MSB0004021025<br>MSB0004025025<br>MSB0004031025<br>25/04 |
|  | <b>30/04vt</b><br>21mm<br>25mm<br>31mm<br>GP/PP<br>MSB0004021030<br>MSB0004025030<br>MSB0004031030<br>30/04 |  | <b>35/04vt</b><br>21mm<br>25mm<br>31mm<br>GP/PP<br>MSB0004021035<br>MSB0004025035<br>MSB0004031035<br>35/04 |
| <b>Assorted</b><br>17/08vt(19mm),15/03vt,<br>20/04vt,25/04vt,30/04vt,35/04vt      | 21mm<br>25mm<br>31mm<br>MSB0000021A04<br>MSB0000025A04<br>MSB0000031A04                                     |                                                                                    |                                                                                                             |

# UDG-Platinum V.EU

## Features:

Safe and efficient rotary file system

Bondent presents its patented cross-section with flat design: the perfect union of cutting efficiency and debris removal.

**STERILE**



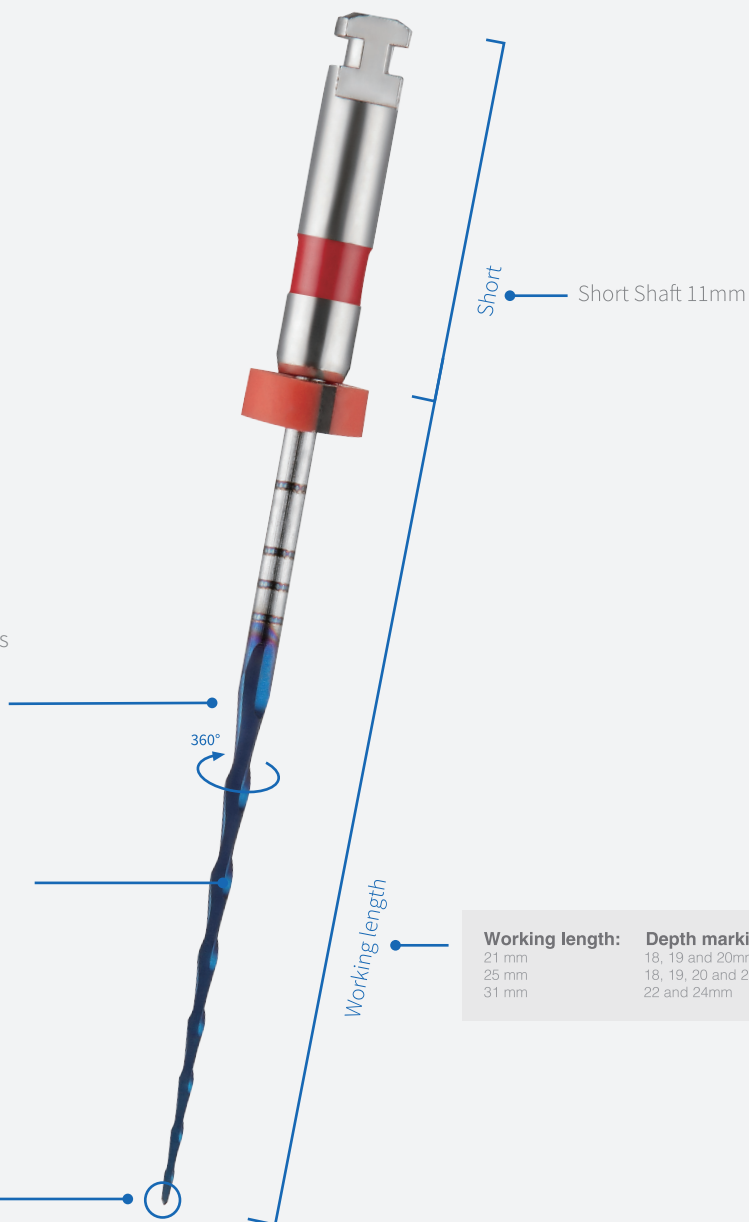
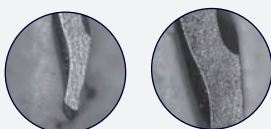
### The patented cross section:

1. Reduces the risk of instrument separations
2. Increases the efficacy of circumferential brushing movements for efficient selective cleaning

### Flat design: more space

1. For improved debris removal
2. To reduce stress on the instrument

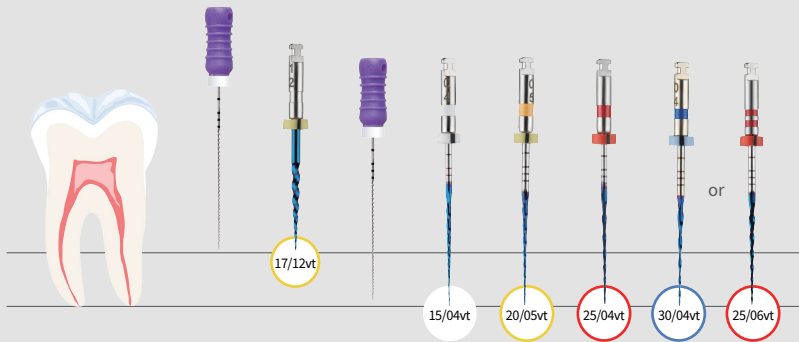
Increases lateral space at the apex and reduces debris being pushed into the periapical area



**Working length:** 21 mm  
25 mm  
31 mm

**Depth markings at:** 18, 19 and 20mm  
18, 19, 20 and 22mm  
22 and 24mm

Usage Protocol:



1. Use 10# stainless steel K file to dredge the root canal.
2. Use open file (1712), pre-open the crown and upper middle.
3. Use No. 10 stainless steel K file to measure the working length.
4. Path file (#1504) prepare to the apical and establish smooth channel.
5. Use #2005 (yellow), #2504 (red) and #3004 in sequence, optional #2506 (dual red) for large canals.
6. Use a brush technique, pull every 1-2mm, and prepare to work length.
7. Use flushing fluid (sodium hypochlorite recommended) every time the file is changed, and return to the file with No. 10 stainless steel K file.

**Tips:** 'Always' keep the 1/3 of the root tip fully lubricated, don't use force.

**Assortment or single 6/pack** Length: 19mm(only Opener); 21mm; 25mm; 31mm

|        | 17/12vt | 15/04vt | 20/05vt | 25/04vt | 25/06vt | 30/04vt |
|--------|---------|---------|---------|---------|---------|---------|
| Color  |         |         |         |         |         |         |
| Taper  | 8%vt    | 4%vt    | 5%vt    | 4%vt    | 6%vt    | 4%vt    |
| Size   | 17      | 15      | 20      | 25      | 25      | 30      |
| Speed  | 300     | 350     | 350     | 350     | 350     | 350     |
| Torque | 3       | 2.4     | 2.4     | 2.4     | 2.4     | 2.4     |

Product references

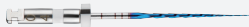
STERILE



**17/12vt**

19mm SPVEU012019017

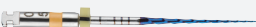
STERILE



**15/04vt**

21mm SPVEU004021015  
25mm SPVEU004025015  
31mm SPVEU004031015

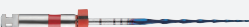
STERILE



**20/05vt**

21mm SPVEU005021020  
25mm SPVEU005025020  
31mm SPVEU005031020  
GP/PP 20/04

STERILE



**25/04vt**

21mm SPVEU004021025  
25mm SPVEU004025025  
31mm SPVEU004031025  
GP/PP 25/04

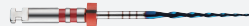
STERILE



**30/04vt**

21mm SPVEU004021030  
25mm SPVEU004025030  
31mm SPVEU004031030  
GP/PP 30/04

STERILE



**25/06vt**

21mm SPVEU006021025  
25mm SPVEU006025025  
31mm SPVEU006031025  
GP/PP 25/06

STERILE

**Assortment**

21mm SPVEU000021A01  
25mm SPVEU000025A01  
31mm SPVEU000031A01

# M3-Large Taper Gold

## Features:

### Trusted performance and predictable shapes

The LARGE Taper Gold technology includes a series of “Shaping” and “Finishing” files that create the predictable shapes, and a system proven and trusted by clinicians throughout the world.

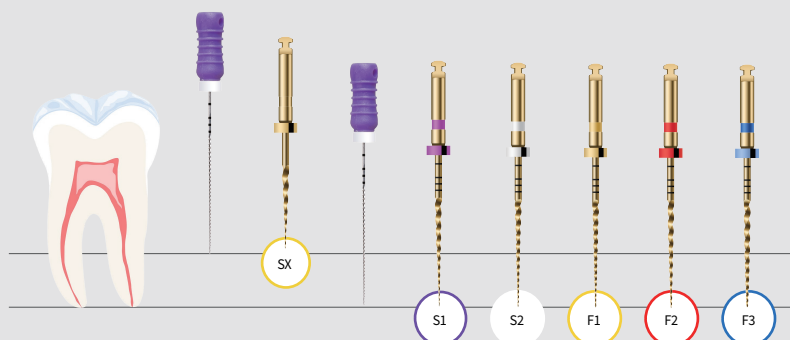
### Greater flexibility start-to-finish

The visibly advanced metallurgy of large Taper Gold creates a difference you can see – and feel. That’s because Large Taper Gold rotary files feature the same exact geometries as large Taper, but offer an increase in flexibility.

This is especially important in the finishing files, when navigating challenging curves in the apical region.



## Clinical Protocol:



### Step by step protocol

- Use 10# stainless steel K file to dredge 1/3 the root canal.
- Use open file (I708), pre-open the crown and upper middle .
- Use No. 10 stainless steel K file to measure the working length, and use No. 15 stainless steel K file to prepare to the root tip. path file (S1 and S2) to establish smooth channel.
- Use F1, F2, F3 or F4 F5 if necessary in sequence, rinsing the canal thoroughly aer each file. Recap with K file before inserting the next rotary file. Recommended motion: pecking motion, Puling every 1-2mm, and prepare to working length.

**Tips:** 'Always' keep the 1/3 of the root tip fully lubricated, don't use force.

**Assortment or single 6/pack** Length: 16mm; 18mm; 19mm(only Opener); 21mm; 25mm; 31mm

|        | 19/04vt(SX)                                                                         | 18/02vt(S1)                                                                         | 20/04vt(S2)                                                                         | 20/07vt(F1)                                                                         | 25/08vt(F2)                                                                         | 30/09vt(F3)                                                                           | 40/06vt(F4)                                                                           | 50/05vt(F5)                                                                           |
|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Color  |  |  |  |  |  |  |  |  |
| Taper  | 4%vt                                                                                | 2%vt                                                                                | 4%vt                                                                                | 7%vt                                                                                | 8%vt                                                                                | 9%vt                                                                                  | 6%vt                                                                                  | 5%vt                                                                                  |
| Size   | 19                                                                                  | 18                                                                                  | 20                                                                                  | 20                                                                                  | 25                                                                                  | 34                                                                                    | 40                                                                                    | 50                                                                                    |
| Speed  | 300                                                                                 | 350                                                                                 | 350                                                                                 | 350                                                                                 | 350                                                                                 | 350                                                                                   | 350                                                                                   | 350                                                                                   |
| Torque | 3                                                                                   | 1.5                                                                                 | 1.5                                                                                 | 2                                                                                   | 2                                                                                   | 2                                                                                     | 2                                                                                     | 2                                                                                     |

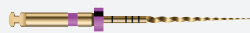


## Product references



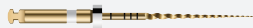
### 19/04vt(SX)

|      |               |
|------|---------------|
| 16mm | MLTG0SX0160SX |
| 19mm | MLTG0SX0190SX |



### 18/02vt(S1)

|      |               |
|------|---------------|
| 18mm | MLTG0S10180S1 |
| 21mm | MLTG0S10210S1 |
| 22mm | MLTG0S10220S1 |
| 25mm | MLTG0S10250S1 |
| 31mm | MLTG0S10310S1 |



### 20/04vt(S2)

|      |               |
|------|---------------|
| 16mm | MLTG1SX0160SX |
| 19mm | MLTG1SX0190SX |
| 21mm | MLTG0S20210S2 |
| 25mm | MLTG0S20250S2 |
| 31mm | MLTG0S20310S2 |



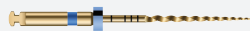
### 20/07vt(F1)

|       |               |
|-------|---------------|
| 21mm  | MLTG0F10210F1 |
| 25mm  | MLTG0F10250F1 |
| 31mm  | MLTG0F10310F1 |
| GP/PP | F1            |



### 25/08vt(F2)

|       |               |
|-------|---------------|
| 21mm  | MLTG0F20210F2 |
| 25mm  | MLTG0F20250F2 |
| 31mm  | MLTG0F20310F2 |
| GP/PP | F2            |



### 30/09vt(F3)

|       |               |
|-------|---------------|
| 21mm  | MLTG0F30210F3 |
| 25mm  | MLTG0F30250F3 |
| 31mm  | MLTG0F30310F3 |
| GP/PP | F3            |



### 40/06vt(F4)

|       |               |
|-------|---------------|
| 21mm  | MLTG0F40210F4 |
| 25mm  | MLTG0F40250F4 |
| 31mm  | MLTG0F40310F4 |
| GP/PP | F4            |



### 50/05vt(F5)

|       |               |
|-------|---------------|
| 21mm  | MLTG0F50210F5 |
| 25mm  | MLTG0F50250F5 |
| 31mm  | MLTG0F50310F5 |
| GP/PP | F5            |

### Assorted

16/04vt(19mm), 16/02vt, 19/04vt,  
23/07vt, 28/08vt, 34/09vt

|      |               |
|------|---------------|
| 21mm | MLTG000021A01 |
| 25mm | MLTG000025A01 |
| 31mm | MLTG000031A01 |

# M3-L Platinum

M3-L Platinum is an innovative single file system launched in 2018 after long-term research and development. The novel flat-side S-sharped cross section and variable taper make it extremely unprecedented in the history of the endodontics. M3-L Platinum features simplicity, efficiency and safety. There are 2 versions, allowing the dentist to have more choices when solving complex clinical cases.

## The ISO colour coding

M3-L Platinum instruments are marked with ISO colors of tip diameters for easy identification.

## Depth markings

M3-L Platinum instruments have radiograph visible depth markings e.g. at 18, 19, 20 and 22 mm.

### Working length:

21 mm 25 mm 31 mm

### Depth markings at:

18, 19 and 20mm  
18, 19, 20 and 22mm  
22 and 24mm

## Silicone stopper

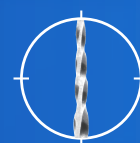
The stoppers, also in ISO colors of the tip diameters eg. Yellow = 0.20mm, Red = 0.25mm, etc.

## Handle

M3-L Platinum instruments have a short shaft of 11 mm, enabling better access to molars compared to many other instruments which have a shaft of 13 mm or longer.



Torque of motors, and dentine the nature of the friction of the cut tooth cutting force



The longitudinal plane is not insert in the canal wall





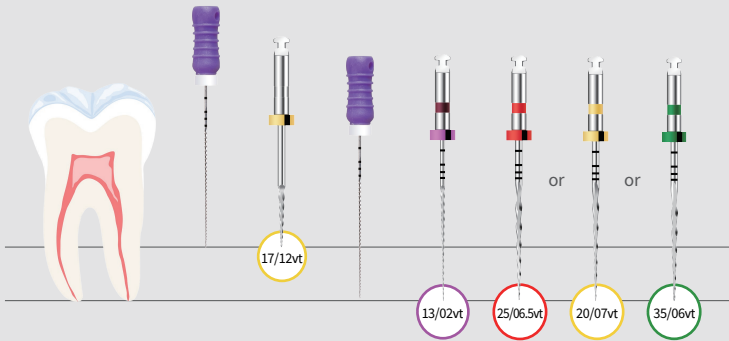
# M3-L Platinum

- Unique patented flat design.
- Debris removal space increased by 30%.
- Increased flexibility.
- Improved resistance to cyclic fatigue.
- Minimises chances of causing micro-cracks to canal walls during shaping.
- Prevents debris from exiting into periapical area.
- Super cutting efficiency, shortening the preparation time.

## Regular canals:



Cross Section



### Step-by-Step Clinical Procedures

Only one shaping file is required; the choice of 25/06.5vt, 20/07vt or 35/06vt is dependent on canal morphology

- Use a #10 stainless steel K file to scout the root canal.
- Use opener (17/12vt), to pre-flare the coronal and middle 2/3's of root canal.
- Use #10 stainless steel K file for to measure the working length.
- Use path file #13/02vt to establish glide path.
- Use 25/06.5vt or 20/07vt or 35/06vt to complete shaping Irrigate the canal constantly and copiously.

Recommended motion: pecking motion, progressing 1-2mm everytime.

**Tips:** Keep the root canal wet at all times; do not force the file in.

**Assortment or single 3/pack** Length: 21mm ; 25mm ; 31mm

|        | 20/07vt | 25/06.5vt | 35/06vt |
|--------|---------|-----------|---------|
| Color  |         |           |         |
| Taper  | 7%vt    | 6.5%vt    | 6%vt    |
| Size   | 20      | 25        | 35      |
| Speed  | 350     | 350       | 350     |
| Torque | 2       | 2         | 2       |

## Product references



### 20/07vt

|       |               |
|-------|---------------|
| 21mm  | MLP2007021020 |
| 25mm  | MLP2007025020 |
| 31mm  | MLP2007031020 |
| GP/PP | 20/06         |



### 25/06.5vt

|       |               |
|-------|---------------|
| 21mm  | MLP2065021025 |
| 25mm  | MLP2065025025 |
| 31mm  | MLP2065031025 |
| GP/PP | 25/06         |



### 35/06vt

|       |               |
|-------|---------------|
| 21mm  | MLP2006021035 |
| 25mm  | MLP2006025035 |
| 31mm  | MLP2006031035 |
| GP/PP | 35/06         |

### Assorted

20/07vt, 25/06.5vt, 35/06vt,

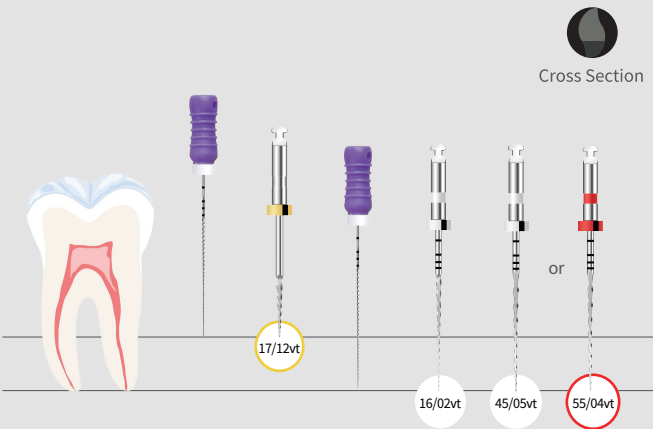
|      |               |
|------|---------------|
| 21mm | MLP0000021A01 |
| 25mm | MLP0000025A01 |
| 31mm | MLP0000031A01 |

Large canals:

Step-by-Step Clinical Procedures

- Choice of 45/05vt or 55/04vt for shaping.
- Use a #10 stainless steel K file to scout the root canal.
  - Use opener (17/12vt), to pre-flare the coronal and middle 2/3's of root canal.
  - Use #10 stainless steel K file to measure the working length.
  - Use path file #16/02vt to establish glide path.
  - Use 45/05vt or 55/04vt to complete shaping
- Irrigate the canal constantly and copiously.  
Recommended motion: pecking motion, progressing 1-2mm everytime.

**Tips:** Keep the root canal wet at all times; do not force the file in.



**Assortment or single 3/pack** Length: 21mm; 25mm; 31mm

|        | 45/05vt | 55/04vt |
|--------|---------|---------|
| Color  | ○       | ●       |
| Taper  | 5%vt    | 4%vt    |
| Size   | 45      | 55      |
| Speed  | 350     | 350     |
| Torque | 2       | 2       |

Product references



45/05vt

|       |               |
|-------|---------------|
| 21mm  | MLP2005021045 |
| 25mm  | MLP2005025045 |
| 31mm  | MLP2005031045 |
| GP/PP | 45/04         |



55/04vt

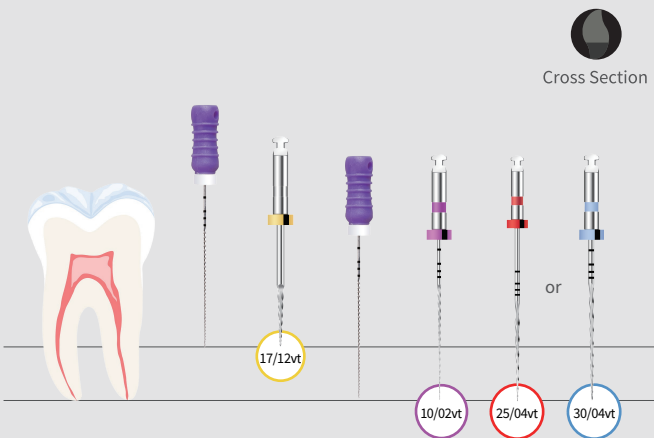
|       |               |
|-------|---------------|
| 21mm  | MLP2004021055 |
| 25mm  | MLP2004025055 |
| 31mm  | MLP2004031055 |
| GP/PP | 55/04         |

Small and curved canals:

Step-by-Step Clinical Procedures

- Choice of 25/04vt or 30/04vt for shaping
- Use a #10 stainless steel K file to scout the root canal.
  - Use opener (17/12vt), to pre-flare the coronal and middle 2/3's of root canal.
  - Use #10 stainless steel K file to measure the working length.
  - Use path file #10/02vt to establish glide path.
  - Use 25/04 vt or 30/04vt to complete shaping
- Irrigate the canal constantly and copiously.  
Recommended motion: pecking motion, progressing 1-2mm everytime.

**Tips:** Keep the root canal wet at all times; do not force the file in.



Assortment or single 3/pack Length: 21mm; 25mm; 31mm

|        | 25/04vt                                                                           | 30/04vt                                                                             |
|--------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Color  |  |  |
| Taper  | 4%vt                                                                              | 4%vt                                                                                |
| Size   | 25                                                                                | 30                                                                                  |
| Speed  | 350                                                                               | 350                                                                                 |
| Torque | 2                                                                                 | 2                                                                                   |

Product references



|                |               |
|----------------|---------------|
| <b>25/04vt</b> |               |
| 21mm           | MLP2004021025 |
| 25mm           | MLP2004025025 |
| 31mm           | MLP2004031025 |
| GP/PP          | 25/04         |



|                |               |
|----------------|---------------|
| <b>30/04vt</b> |               |
| 21mm           | MLP2004021030 |
| 25mm           | MLP2004025030 |
| 31mm           | MLP2004031030 |
| GP/PP          | 30/04         |

# Features

**STERILE**

ISO color coding

Silicone stopper in the ISO color of the specific Flash instrument tip size

Short

Use 11mm short handle, which is suitable for the mini contra angle, reducing occlusion, making it easier for doctors to see the operation clearly.

Working length  
21 mm, 25 mm and 31 mm



## S cross section

Perfect cutting efficiency

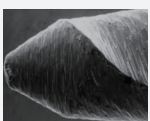
## Flat side design

Flat side design increases the efficiency of debris removal

## Heat treated NiTi material

Unique heat treatment technology: increases flexibility

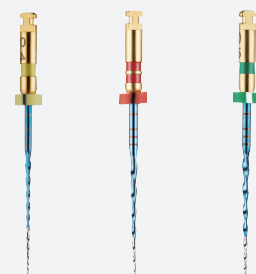
Tip 6mm: no flat design, no blue nano coating



## Non-cutting tip

## Minimally invasive

Smaller size and taper design, inline with minimally invasive concept, avoids excessive cutting of dentin, and improves the life cycle of teeth after root canal treatment



20/04vt 25/06vt 35/05vt

## Flash Story

Searching for a sufficiently safe reciprocation file, able to reduce harm to the natural tooth and during root canal preparation, Bondent Group started its studies on safe and excellent cutting efficiency reciprocation files. At the same time, Dr Nuno Pinto, from Portugal, joined us and gave support on design and clinical testing. We went through 2 years of a 5-time continuous sampling. in order to be submitted to laboratorial testing, which turned to result in ideal performance. We were assured to proceed with the making of clinical testing in cooperation with Dr Nuno Pinto. Due to the excellent clinical performance, Flash was able to be launched in 2022.

## Clinical cases



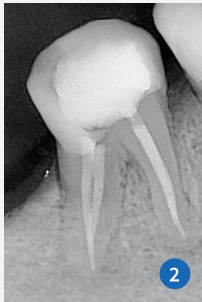
### Bondent KOL, Flash collaborator ,Nuno Pinto DDS,MSc

- Member of the Portuguese Society of Endodontology;
- Certified member of the European Society of Endodontology;
- Member of the American Association of Endodontists;
- Participant in the book “The root canal anatomy in permanent dentition”;
- Professor of the Master’s in Endodontics at Universitat Internacional de Catalunya.

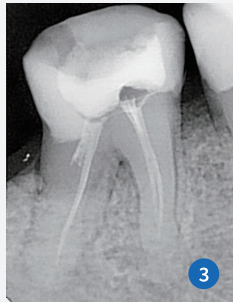
“Endo power! It is a powerful file system with good flexibility and cutting efficiency. Due to the special flat design, it provides excellent debris removal.” — Dr Nuno Pinto



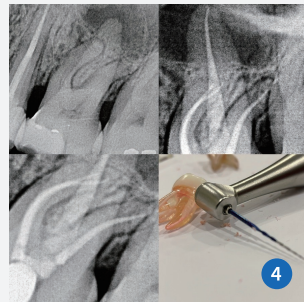
Normal case



Easy case



Retreatment



Difficult case

## Product references

STERILE



### 20/04vt

|      |                |    |
|------|----------------|----|
| 21mm | SUFLA004021020 | ×3 |
| 25mm | SUFLA004025020 | ×3 |
| 31mm | SUFLA004031020 | ×3 |

STERILE



### 25/06vt

|      |                |    |
|------|----------------|----|
| 21mm | SUFLA006021025 | ×3 |
| 25mm | SUFLA006025025 | ×3 |
| 31mm | SUFLA006031025 | ×3 |

STERILE



### 35/05vt

|      |                |    |
|------|----------------|----|
| 21mm | SUFLA005021035 | ×3 |
| 25mm | SUFLA005025035 | ×3 |
| 31mm | SUFLA005031035 | ×3 |

STERILE

### Assortment

20/04vt, 25/06vt, 35/05vt

|      |                |    |
|------|----------------|----|
| 21mm | SUFLA000021A01 | ×3 |
| 25mm | SUFLA000025A01 | ×3 |
| 31mm | SUFLA000031A01 | ×3 |



Cordless Endo Motor  
with integrated Apex Locator

### iRoot Pro

|          |   |
|----------|---|
| SRCT2000 | ○ |
| SRCT3000 | ● |
| SRCT2007 | ● |
| SRCT2008 | ● |

### Standard Gutta Percha Points

|       |               |     |
|-------|---------------|-----|
| 20/04 | UDGP004000020 | ×60 |
| 25/04 | UDGP004000025 | ×60 |
| 35/04 | UDGP004000035 | ×60 |

# W-One-Gold

Engineered with the latest reciprocating technology

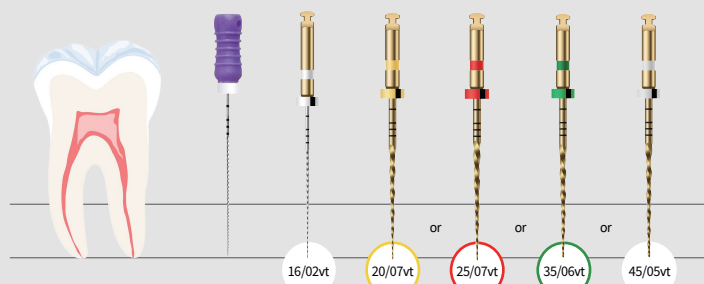
The single-file simplicity of W-One is now enhanced in W-One Gold. Made with advanced metallurgy, it is the next generation of performance from Bondent.

## Features:

- Increases patient safety,\* while reducing shaping time across a wide range of cases.
- Optimized with enhanced design features by leading endodontists.
- Part of a complete solution that includes obturation products designed to match the shapes created by W-One Gold files.



## Usage Protocol:



### Step by step clinical procedures

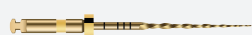
- Use No. 10 stainless steel K file to scouting to the apical and measure the working length, and use path file #1602vt to establish smooth channel.
- Use 2007vt or 2507 vt or 3506vt or 4505vt single reciprocation to finish shaping. soak in the rinse liquid, use pecking motion, pull every 1-2mm, and prepare to work length.
- Use flushing fluid (sodium hypochlorite recommended) every time the file is changed, and return to the file with No. 10 stainless steel K file.

**Tips:** 'Always' keep the 1/3 of the root tip fully lubricated, don't use force. Warm obturation is recommended.

**Assortment or single 4/pack** Length: 21mm; 25mm; 31mm

|        | 20/07vt            | 25/07vt            | 35/06vt            | 45/05vt            |
|--------|--------------------|--------------------|--------------------|--------------------|
| Color  | Yellow             | Red                | Green              | White              |
| Taper  | 7%vt               | 7%vt               | 6%vt               | 6%vt               |
| Size   | 20                 | 25                 | 35                 | 35                 |
| Speed  | 350(CCW150° CW30°) | 350(CCW150° CW30°) | 350(CCW150° CW30°) | 350(CCW150° CW30°) |
| Torque | 4                  | 4                  | 4                  | 4                  |

## Product references



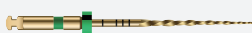
### 20/07vt

|       |               |
|-------|---------------|
| 21mm  | MWOG007021020 |
| 25mm  | MWOG007025020 |
| 31mm  | MWOG007031020 |
| GP/PP | 20/07 Small   |



### 25/07vt

|       |               |
|-------|---------------|
| 21mm  | MWOG007021025 |
| 25mm  | MWOG007025025 |
| 31mm  | MWOG007031025 |
| GP/PP | 25/07 Primary |



### 35/06vt

|       |               |
|-------|---------------|
| 21mm  | MWOG006021035 |
| 25mm  | MWOG006025035 |
| 31mm  | MWOG006031035 |
| GP/PP | 35/06 Medium  |



### 45/05vt

|       |               |
|-------|---------------|
| 21mm  | MWOG005021045 |
| 25mm  | MWOG005025045 |
| 31mm  | MWOG005031045 |
| GP/PP | 45/05 Large   |

### Assorted

20/07vt, 25/07vt, 35/06vt,  
45/05vt

|      |               |
|------|---------------|
| 21mm | MWOG000021A01 |
| 25mm | MWOG000025A01 |
| 31mm | MWOG000031A01 |



# M3-RB

RB files are produced with Nickel-Titanium (NiTi) that goes through an innovative heat treatment, modifying its molecular structure to give it increased resistance to cyclic fatigue and additional flexibility as well as its characteristic blue color. In addition, there is the option of precurving the instrument, to obtain an easier access to the canals, when needed.

## Features:

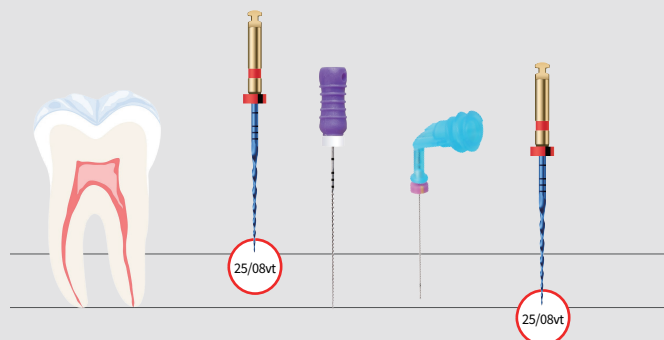
- Reduce minor surface defects, increase precision, enhance anti-cycle fatigue, and reduce the risk of instrument separation.
- Fine polishing, reduce friction coefficient, reduce the risk of breaking instruments.
- Blue surface enhances flexural fatigue and flexibility.



## Clinical protocol:



Cross Section



### Step by step clinical procedures

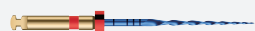
- Shaping the first part of the canal in around 2/3 with RB (2508vt or 4006vt or 5005vt) in small movement of 1 to 2 mm in three pecking motions
- Use the #10&#15 K files with the help of apex locator to reach your patency and take to WL Clean the debris from the flues in the interim stand. Irrigate the canal
- Finally, use the RB (2508vt or 4006vt or 5005vt) shape the last part with small movements of 1 to 2 mm in three pecking motions

Warm obturation is recommended.

Assortment or single 4/pack Length: 21mm; 25mm; 31mm

|        | 25/08vt            | 40/06vt            | 50/05vt            |
|--------|--------------------|--------------------|--------------------|
| Color  |                    |                    |                    |
| Taper  | 8%vt               | 6%vt               | 5%vt               |
| Size   | 25                 | 40                 | 50                 |
| Speed  | 350(CCW150° CW30°) | 350(CCW150° CW30°) | 350(CCW150° CW30°) |
| Torque | 4                  | 4                  | 4                  |

## Product references



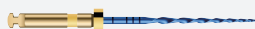
### 25/08vt

|       |                |
|-------|----------------|
| 21mm  | MRB00080021025 |
| 25mm  | MRB00080025025 |
| 31mm  | MRB00080031025 |
| GP/PP | R25            |



### 40/06vt

|       |                |
|-------|----------------|
| 21mm  | MRB00060021040 |
| 25mm  | MRB00060025040 |
| 31mm  | MRB00060031040 |
| GP/PP | R40            |



### 50/05vt

|       |                |
|-------|----------------|
| 21mm  | MRB00050021050 |
| 25mm  | MRB00050025050 |
| 31mm  | MRB00050031050 |
| GP/PP | R50            |

### Assorted

25/08vt, 40/06vt, 50/05vt

|      |               |
|------|---------------|
| 21mm | MRB0000021A01 |
| 25mm | MRB0000025A01 |
| 31mm | MRB0000031A01 |

# M3- RG

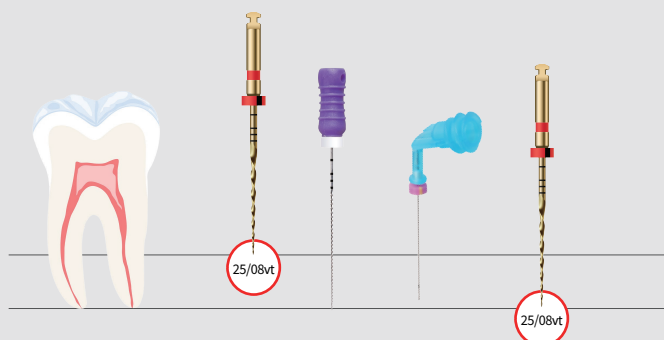
Made with advanced metallurgy, it is the next generation of performance from Bondent.

## Features:

RG files are produced with Nickel-Titanium (NiTi) that goes through an innovative heat treatment, modifying its molecular structure to give it increased resistance to cyclic fatigue and additional flexibility as well as its characteristic Gold color. In addition, there is the option of precurving the instrument, to obtain an easier access to the canals, when needed. Different from RB, it is used with gold alloy to make the torsional stronger which gives the higher efficiency on cutting.



## Clinical protocol:



### Step by step clinical procedures

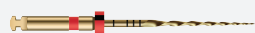
- Shaping the first part of the canal in around 2/3 with RG (25/08vt or 40/06vt or 50/05vt) in small movement of 1 to 2 mm in three pecking motions.
- Use the #10&#15 K files with the help of apex locator to reach your patency and take to WL
- Clean the debris from the flues in the interim stand. Irrigate the canal
- Finally, use the RB (25/08vt or 40/06vt or 50/05vt) shape the last part with small movements of 1 to 2 mm in three pecking motions

**Tips:** 'Always' keep the 1/3 of the root tip fully lubricated, don't use force.

## Assortment or single 4/pack Length: 21mm; 25mm; 31mm

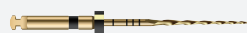
|        | 25/08vt            | 40/06vt            | 50/05vt            |
|--------|--------------------|--------------------|--------------------|
| Color  | Red                | Black              | Yellow             |
| Taper  | 7%vt               | 7%vt               | 6%vt               |
| Size   | 20                 | 25                 | 35                 |
| Speed  | 350(CCW150° CW30°) | 350(CCW150° CW30°) | 350(CCW150° CW30°) |
| Torque | 4                  | 4                  | 4                  |

## Product references



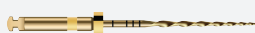
### 25/08vt

|       |                |
|-------|----------------|
| 21mm  | MRG00080021025 |
| 25mm  | MRG00080025025 |
| 31mm  | MRG00080031025 |
| GP/PP | R25            |



### 40/06vt

|       |                |
|-------|----------------|
| 21mm  | MRG00060021040 |
| 25mm  | MRG00060025040 |
| 31mm  | MRG00060031040 |
| GP/PP | R40            |



### 50/05vt

|       |                |
|-------|----------------|
| 21mm  | MRG00050021050 |
| 25mm  | MRG00050025050 |
| 31mm  | MRG00050031050 |
| GP/PP | R50            |

### Assorted

25/08vt, 40/06vt, 50/05vt

|      |               |
|------|---------------|
| 21mm | MRG0000021A01 |
| 25mm | MRG0000025A01 |
| 31mm | MRG0000031A01 |

### Features:

#### Reinforces patient safety

- CC one blue is 50% more resistant to cyclic fatigue than traditional NiTi file.
- Reduced screwing effect.

#### Covers a wider range of canal morphologies

- Enhanced file flexibility due to the Gold technology.
- Extended size range (Small, Primary, Medium, Large).

#### Shortens the shaping time

- Increased cutting efficiency.
- Single file means shorter time for canal shaping.

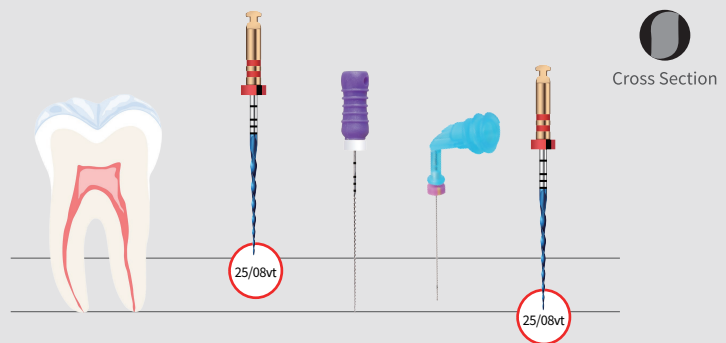


### Clinical Protocol :

#### Step-by-Step Clinical Procedures

- Shape up to 2/3 of canal with CC One Blue (25/08vt, 40/06vt or 50/05vt) in small pecking motions, progressing 1 to 2 mm at a time
- Use #10 and/or #15 K files to scout the apical 1/3 and determine the working length. Irrigate the canal thoroughly
- Finish shaping of apical 1/3 with the previous CC One Blue (25/08vt, 40/06vt or 50/05vt) using the same pecking motion.

Warm obturation is recommended.



**Assortment or single 4/pack** Length: 19mm(only Opener); 21mm; 25mm; 31mm

|        | 20/07vt            | 25/08vt            | 30/08vt            | 40/06vt            |
|--------|--------------------|--------------------|--------------------|--------------------|
| Color  |                    |                    |                    |                    |
| Taper  | 7%vt               | 8%vt               | 8%vt               | 6%vt               |
| Size   | 20                 | 25                 | 30                 | 40                 |
| Speed  | 350(CCW150° CW30°) | 350(CCW150° CW30°) | 350(CCW150° CW30°) | 350(CCW150° CW30°) |
| Torque | 4                  | 4                  | 4                  | 4                  |

### Product references



#### 20/07vt

|       |               |
|-------|---------------|
| 21mm  | CCOB007021020 |
| 25mm  | CCOB007025020 |
| 31mm  | CCOB007031020 |
| GP/PP | 20/07 Primary |



#### 25/08vt

|       |               |
|-------|---------------|
| 21mm  | CCOB008021025 |
| 25mm  | CCOB008025025 |
| 31mm  | CCOB008031025 |
| GP/PP | R25           |



#### 30/08vt

|       |               |
|-------|---------------|
| 21mm  | CCOB008021030 |
| 25mm  | CCOB008025030 |
| 31mm  | CCOB008031030 |
| GP/PP | 30/08         |



#### 40/06vt

|       |               |
|-------|---------------|
| 21mm  | CCOB006021040 |
| 25mm  | CCOB006025040 |
| 31mm  | CCOB006031040 |
| GP/PP | R40           |

#### Assorted

20/07vt, 25/08vt, 30/08vt, 40/06

|      |                |      |                |      |                |
|------|----------------|------|----------------|------|----------------|
| 21mm | CCOB0000021A01 | 25mm | CCOB0000025A01 | 31mm | CCOB0000031A01 |
|------|----------------|------|----------------|------|----------------|

# M3- Path

### Features:

M3 Path File has various specs: 1302vt , 1602vt and 1902vt. These instruments are marked with ISO color of instrument tip size for easy identification. It improves debris removal and help reduce the screw-in effects during shaping.



Cross Section

**Assortment or single 6/pack** Length: 21mm; 25mm; 31mm

|        | 13/02vt                                                                             | 16/02vt                                                                             | 19/02vt                                                                               |
|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Color  |  |  |  |
| Taper  | 2%vt                                                                                | 2%vt                                                                                | 2%vt                                                                                  |
| Size   | 13                                                                                  | 16                                                                                  | 19                                                                                    |
| Speed  | 350                                                                                 | 350                                                                                 | 350                                                                                   |
| Torque | 1.5                                                                                 | 1.5                                                                                 | 1.5                                                                                   |

### Product references



|                |               |
|----------------|---------------|
| <b>13/02vt</b> |               |
| 21mm           | MPA0002021013 |
| 25mm           | MPA0002025013 |
| 31mm           | MPA0002031013 |



|                |               |
|----------------|---------------|
| <b>16/02vt</b> |               |
| 21mm           | MPA0002021016 |
| 25mm           | MPA0002025016 |
| 31mm           | MPA0002031016 |



|                |               |
|----------------|---------------|
| <b>19/02vt</b> |               |
| 21mm           | MPA0002021019 |
| 25mm           | MPA0002025019 |
| 31mm           | MPA0002031019 |

**Assorted**  
2\*13/02vt, 2\*16/02vt,  
2\*19/02vt

|      |               |
|------|---------------|
| 21mm | MPA0000021A01 |
| 25mm | MPA0000025A01 |
| 31mm | MPA0000031A01 |

# M3- Safe Path L

## Features:

- Based on the M3-Path. M3 Safe path L has the flat-side design reduces the stress of cyclic fatigue and 40% more debris removal.
- Variable tapered design creates a predictable glide path.



Cross Section



**Assortment or single 6/pack** Length: 21mm; 25mm; 31mm

|        | 10/02vt                                                                            | 13/02vt                                                                            | 16/02vt                                                                              |
|--------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Color  |  |  |  |
| Taper  | 2%vt                                                                               | 2%vt                                                                               | 2%vt                                                                                 |
| Size   | 10                                                                                 | 13                                                                                 | 16                                                                                   |
| Speed  | 350                                                                                | 350                                                                                | 350                                                                                  |
| Torque | 1.5                                                                                | 1.5                                                                                | 1.5                                                                                  |

## Product references



### 10/02vt

|      |               |
|------|---------------|
| 21mm | MSPL002021010 |
| 25mm | MSPL002025010 |
| 31mm | MSPL002031010 |



### 13/02vt

|      |               |
|------|---------------|
| 21mm | MSPL002021013 |
| 25mm | MSPL002025013 |
| 31mm | MSPL002031013 |



### 16/02vt

|      |               |
|------|---------------|
| 21mm | MSPL002021016 |
| 25mm | MSPL002025016 |
| 31mm | MSPL002031016 |

### Assorted

2\*10/02vt, 2\*13/02vt,  
2\*16/02vt

|      |               |
|------|---------------|
| 21mm | MSPL000021L01 |
| 25mm | MSPL000025L01 |
| 31mm | MSPL000031L01 |

# M3- Opener

**Features:**

- For flaring in canal orifice and enlargement of coronal 1/3.



**Assortment or single 6/pack** Length: 19mm

|        | 17/08vt                                                                             |  | 17/12vt                                                                               |
|--------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| Color  |  |  |  |
| Taper  | 8%vt                                                                                |  | 12%vt                                                                                 |
| Size   | 17                                                                                  |  | 17                                                                                    |
| Speed  | 300                                                                                 |  | 300                                                                                   |
| Torque | 3                                                                                   |  | 3                                                                                     |

## Product references



**17/08vt**  
19mm MOP0008019017



**17/12vt**  
19mm MOP0012019017

**Assorted**  
3\*17/08vt, 3\*17/12vt

19mm MOP0000000A01

# M3- RT

### Features:

Designed to be used in sequence for retreatment.  
Three files designed for the removal of gutta-percha and sealer in different parts the canal.



### Clinic protocol:

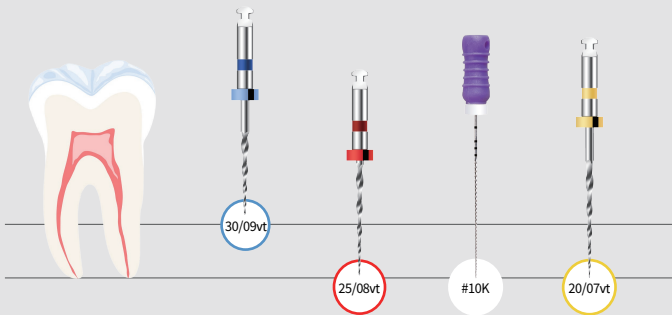


Cross Section

### Steep-by-Step Procedures

- Use 30/09vt for coronal 1/3.
- Use 25/08vt to middle 1/3.
- Use 20/07vt to apical 1/3.

**Tips:** Irrigate constantly and ensure all debris are removed from canal before the next file is inserted.



**Assortment or single 6/pack** Length: 16mm; 18mm; 22mm; 25mm

|        | 20/07vt                               | 25/08vt                            | 30/09vt                             |
|--------|---------------------------------------|------------------------------------|-------------------------------------|
| Color  | <span style="color: yellow;">●</span> | <span style="color: red;">●</span> | <span style="color: blue;">●</span> |
| Taper  | 7%vt                                  | 8%vt                               | 9%vt                                |
| Size   | 20                                    | 25                                 | 30                                  |
| Speed  | 500                                   | 500                                | 500                                 |
| Torque | 3                                     | 3                                  | 3                                   |

### Product references



**20/07vt**

22mm    MRT0007022020  
25mm    MRT0007025020



**25/08vt**

18mm    MRT0008018025



**30/09vt**

16mm    MRT0009016030

**Assorted**  
2\*20/07vt(22mm),  
2\*25/08vt(18mm),  
2\*30/09vt(16mm)

19mm    MRT0000000A03



# M3- Immature Blue

## Features:

- Indicated for primary teeth.
- High cutting efficiency.
- High resistance to cyclic fatigue.
- High flexibility.
- Fixed length 16mm.

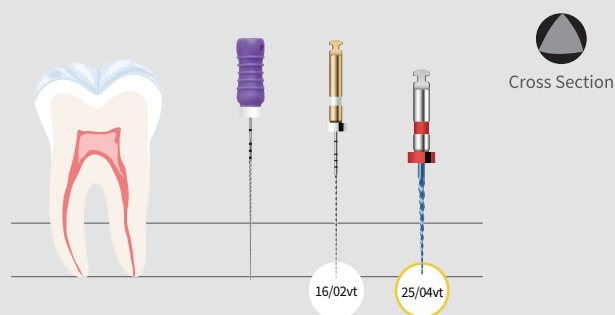


## Clinical protocol:

### Step-by-Step Procedures

- Use #10# stainless steel K file to scout the canal and determine working length
- Use M3-Path to prepare the glide path, using brushing technique.
- Use #20/04vt M3-Immature Blue to full working length with pecking motion. In small & curved canals, finish with #25/04 or #25/06vt. In large canals finish with #30/04vt or #30/06vt

**Tips:** Irrigate canal constantly and copiously. Clean debris from the file. Do not force the file in.



## Assortment or single 6/pack Length: 16mm

|        | 20/04vt | 25/04vt | 30/04vt | 20/06vt | 25/06vt | 30/06vt |
|--------|---------|---------|---------|---------|---------|---------|
| Color  | Yellow  | Red     | Blue    | Yellow  | Red     | Blue    |
| Taper  | 4%vt    | 4%vt    | 4%vt    | 6%vt    | 6%vt    | 6%vt    |
| Size   | 20      | 25      | 30      | 20      | 25      | 30      |
| Speed  | 350     | 350     | 350     | 350     | 350     | 350     |
| Torque | 2       | 2       | 2       | 2       | 2       | 2       |

## Product references



### 20/04vt

16mm  
GP/PP  
MIMB004016020  
20/04



### 25/04vt

16mm  
GP/PP  
MIMB004016025  
25/04



### 30/04vt

16mm  
GP/PP  
MIMB004016030  
30/04



### 20/06vt

16mm  
GP/PP  
MIMB006016020  
20/06



### 25/06vt

16mm  
GP/PP  
MIMB006016025  
25/06



### 30/06vt

16mm  
GP/PP  
MIMB006016030  
30/06

### Assorted

20/04vt, 25/04vt, 30/04vt,  
20/06vt, 25/06vt, 30/06vt

16mm  
MIMB000016A01

# M3- T

## Features:

- Pre-curved tip, providing efficient removal of ledges.

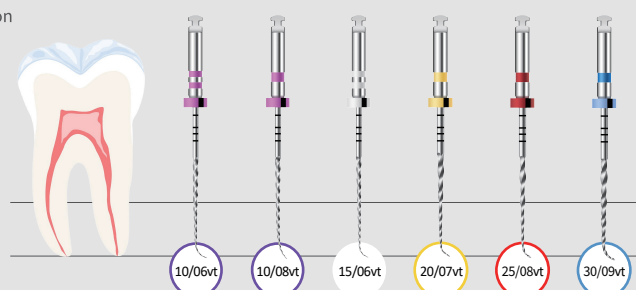


## Clinical Protocol:



### Step-by-Step Procedures

- Insert 10/06vt without turning on the motor until reaching the ledge.
- Set the motor to reciprocating movement with the (CCW 150/CW 30).
- Switch on the motor and move the file forward with a pecking motion
- Irrigate the canal
- Repeat the step with other files in order: 10/08vt, 15/06vt, 20/07vt, and if necessary, 25/08vt and 30/09vt, until ledge is removed
- Check with a #10 and/or #15 K file to working length and to ensure patency



**Assortment or single 6/pack** Length: 21mm; 25mm; 31mm

|        | 10/06vt | 10/08vt | 15/06vt | 20/07vt | 25/08vt | 30/09vt |
|--------|---------|---------|---------|---------|---------|---------|
| Color  | ●       | ●       | ○       | ●       | ●       | ●       |
| Taper  | 6%vt    | 8%vt    | 6%vt    | 7%vt    | 8%vt    | 9%vt    |
| Size   | 10      | 10      | 15      | 20      | 25      | 30      |
| Speed  | 350     | 350     | 350     | 350     | 350     | 350     |
| Torque | 4       | 4       | 4       | 4       | 4       | 4       |

## Product references



### 10/06vt

|      |               |
|------|---------------|
| 21mm | MT00006021010 |
| 25mm | MT00006025010 |
| 31mm | MT00006031010 |



### 10/08vt

|      |               |
|------|---------------|
| 21mm | MT00008021010 |
| 25mm | MT00008025010 |
| 31mm | MT00008031010 |



### 15/06vt

|      |               |
|------|---------------|
| 21mm | MT00006021015 |
| 25mm | MT00006025015 |
| 31mm | MT00006031015 |



### 20/07vt

|      |               |
|------|---------------|
| 21mm | MT00007021020 |
| 25mm | MT00007025020 |
| 31mm | MT00007031020 |



### 25/08vt

|      |               |
|------|---------------|
| 21mm | MT00008021025 |
| 25mm | MT00008025025 |
| 31mm | MT00008031025 |



### 30/09vt

|      |               |
|------|---------------|
| 21mm | MT00009021030 |
| 25mm | MT00009025030 |
| 31mm | MT00009031030 |

### Assorted

10/06vt, 10/08vt, 15/06vt,  
20/07vt, 25/08vt, 30/09vt

|      |               |      |               |      |               |
|------|---------------|------|---------------|------|---------------|
| 21mm | MT00000021A01 | 25mm | MT00000025A01 | 31mm | MT00000031A01 |
|------|---------------|------|---------------|------|---------------|

# M3- MAX

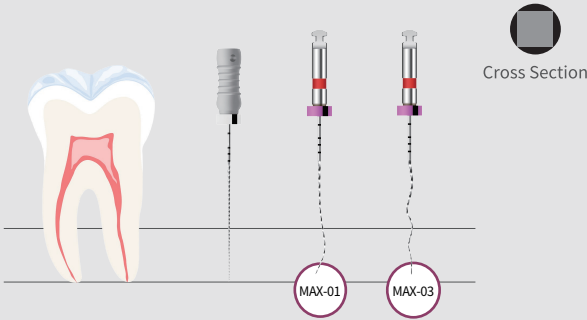
### Features:

- The times of using will effect on the probability mechanical isolation and not participate in any cutting.
- Super elasticity and extreme flexibility Minimal stress applied to dentine walls excellent cleaning finisher
- Remove smear layers.



### Step by step clinical procedures

- Irrigate the canal.
- With the use of apex locator, negotiate the canal with #10 C file in a watch-wind motion to full working length, to get a patent canal pathway.
- Irrigate the canal.
- Use Max 3 in a pecking motion (Pecking motion: in and out motion for a depth of 3 mm) till reaching the working length. The motion of the file is on rotation move-ment (speed 800RPM, Torque 1N).
- Irrigate the canal.
- To ensure beter cleaning of the apical third and agitation of irrigation, use Max 1 with the same manner and setings mentioned in step 4.
- Irrigate the canal.



### Assortment or single 4/pack Length: 21mm; 25mm

|        | MAX-1 #25vt                                                                         |  | MAX-3 #25vt                                                                           |
|--------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| Color  |  |  |  |
| Taper  | 25%vt                                                                               |  | 25%vt                                                                                 |
| Size   | 20                                                                                  |  | 25                                                                                    |
| Speed  | 800                                                                                 |  | 800                                                                                   |
| Torque | 1                                                                                   |  | 1                                                                                     |

### Product references



#### MAX-1 #25vt

21mm    MAX1000021025  
25mm    MAX1000025025



#### MAX-3 #25vt

21mm    MAX3000021025  
25mm    MAX3000025025

#### Assorted

25mm    MAX0000025A01

## **Stainless Steel Files**

Bondent Hand Files are stainless steel hand instruments with radiopaque silicon stopper and X-ray visible calibration rings. It has an inactive pilot tip that will navigate the instrument safely along the canal. It comes in different ISO-sizes: #6-80 and available in 21mm, 25mm and 31mm.

Features:

- Heat-treated SST.
- Hardened working tip increases buckling resistance.
- Especially suitable for calcified canals.
- Unique thread design, sharper.



Table 1. Length: 21mm; 25mm; 31mm

|       | 06/02         | 08/02         | 10/02         | 10/02         | 12/02         | 15/02         |
|-------|---------------|---------------|---------------|---------------|---------------|---------------|
| Color | ●             | ●             | ●             | ●             | ●             | ○             |
| Taper | 2%            | 2%            | 2%            | 2%            | 2%            | 2%            |
| Size  | 06            | 08            | 10            | 10            | 12            | 15            |
| 21mm  | SSCF002021006 | SSCF002021008 | SSCF002021010 | SSCF002021010 | SSCF002021012 | SSCF002021015 |
| 25mm  | SSCF002025006 | SSCF002025008 | SSCF002025010 | SSCF002025010 | SSCF002025012 | SSCF002025015 |
| 31mm  | SSCF002031006 | SSCF002031008 | SSCF002031010 | SSCF002031010 | SSCF002031012 | SSCF002031015 |

Features:

- Filing or reaming motion.
- Unique thread design, sharper.



Table 1. Length: 21mm; 25mm; 31mm

|       | 15/02         | 20/02         | 25/02         | 30/02         | 35/02         | 40/02         |
|-------|---------------|---------------|---------------|---------------|---------------|---------------|
| Color | ○             | ●             | ●             | ●             | ●             | ●             |
| Taper | 2%            | 2%            | 2%            | 2%            | 2%            | 2%            |
| Size  | 15            | 20            | 25            | 30            | 35            | 40            |
| 21mm  | SSKF002021015 | SSKF002021020 | SSKF002021025 | SSKF002021030 | SSKF002021035 | SSKF002021040 |
| 25mm  | SSKF002025015 | SSKF002025020 | SSKF002025025 | SSKF002025030 | SSKF002025035 | SSKF002025040 |
| 31mm  | SSKF002031015 | SSKF002031020 | SSKF002031025 | SSKF002031030 | SSKF002031035 | SSKF002031040 |

Features:

- Filing motion.
- Unique thread design, sharper.



Table 1. Length: 21mm; 25mm; 31mm

|       | 15/02         | 20/02         | 25/02         | 30/02         | 35/02         | 40/02         |
|-------|---------------|---------------|---------------|---------------|---------------|---------------|
| Color | ○             | ●             | ●             | ●             | ●             | ●             |
| Taper | 2%            | 2%            | 2%            | 2%            | 2%            | 2%            |
| Size  | 15            | 20            | 25            | 30            | 35            | 40            |
| 21mm  | SSHF002021015 | SSHF002021020 | SSHF002021025 | SSHF002021030 | SSHF002021035 | SSHF002021040 |
| 25mm  | SSHF002025015 | SSHF002025020 | SSHF002025025 | SSHF002025030 | SSHF002025035 | SSHF002025040 |
| 31mm  | SSHF002031015 | SSHF002031020 | SSHF002031025 | SSHF002031030 | SSHF002031035 | SSHF002031040 |

Features:

- Reaming motion.



Table 1. Length: 21mm; 25mm; 31mm

|       | 15/02         | 20/02         | 25/02         | 30/02         | 35/02         | 40/02         |
|-------|---------------|---------------|---------------|---------------|---------------|---------------|
| Color | ○             | ●             | ●             | ●             | ●             | ●             |
| Taper | 2%            | 2%            | 2%            | 2%            | 2%            | 2%            |
| Size  | 15            | 20            | 25            | 30            | 35            | 40            |
| 21mm  | SSRF002021015 | SSRF002021020 | SSRF002021025 | SSRF002021030 | SSRF002021035 | SSRF002021040 |
| 25mm  | SSRF002025015 | SSRF002025020 | SSRF002025025 | SSRF002025030 | SSRF002025035 | SSRF002025040 |
| 31mm  | SSRF002031015 | SSRF002031020 | SSRF002031025 | SSRF002031030 | SSRF002031035 | SSRF002031040 |

Features:

- Designed for micro-endodontics and posterior teeth.
- Unique Flute design, sharper.
- Micro-Opener is similar to K File.
- Micro-Shaper is similar to H File.



Table 1. Length: 21mm

| Micro Opener |                                                                                   |                                                                                   |                                                                                   |               | Micro Shaper                                                                      |                                                                                   |                                                                                   |               |
|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|
|              | 10/04                                                                             | 15/04                                                                             | 20/04                                                                             | Assorted      | 20/02                                                                             | 25/02                                                                             | 30/02                                                                             | Assorted      |
| Color        |  |  |  | /             |  |  |  | /             |
| Taper        | 2%                                                                                | 2%                                                                                | 2%                                                                                | /             | 2%                                                                                | 2%                                                                                | 2%                                                                                | /             |
| Size         | 06                                                                                | 08                                                                                | 10                                                                                | /             | 12                                                                                | 12                                                                                | 12                                                                                | /             |
| 21mm         | MLTH0SX0190SX                                                                     | MLTH0S10210S1                                                                     | MLTH0S20210S2                                                                     | MLTH0F10210F1 | MLTH0F20210F2                                                                     | MLTH0F30210F3                                                                     | MLTH0F40210F4                                                                     | MLTH0F50210F5 |

Features:

- Niti file, cleassic design.



Table 1. Length: 19mm; 21mm; 25mm; 31mm

|            | SX            | S1            | S2            | F1            | F2            | F3            | F4            | F5            |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Color      |               |               |               |               |               |               |               |               |
| Taper/Size | SX            | S1            | S2            | F1            | F2            | F3            | F4            | F5            |
| 19mm       | MLTH0SX0190SX | /             | /             | /             | /             | /             | /             | /             |
| 21mm       | /             | MLTH0S10210S1 | MLTH0S20210S2 | MLTH0F10210F1 | MLTH0F20210F2 | MLTH0F30210F3 | MLTH0F40210F4 | MLTH0F50210F5 |
| 25mm       | /             | MLTH0S10250S1 | MLTH0S20250S2 | MLTH0F10250F1 | MLTH0F20250F2 | MLTH0F30250F3 | MLTH0F40250F4 | MLTH0F50250F5 |
| 31mm       | /             | MLTH0S10310S1 | MLTH0S20310S2 | MLTH0F10310F1 | MLTH0F20310F2 | MLTH0F30310F3 | MLTH0F40310F4 | MLTH0F50310F5 |
| GP/PP      | /             | /             | /             | F1            | F2            | F3            | F4            | F5            |



## Accessories

In order to provide a total endo solution, Bondent also has high-quality obturation and irrigation consumables.

## Standard Gutta Percha Points

## Accessories

Standard Gutta Percha Points are ture to size and provides optimal stiffness during obtuation. It comes in three colours and shapes with specifications 2%, 4% and 6%. RED Shape: Large tapered 0.06 Taper, PLNK Shape: Large tapered 0.04 taper, WHITE Shape: ISO Standard 0.02 Taper.

**Certification:** Class IIa, CE, ISO



### Gutta Percha Points

| Specification | Taper | package    | REF           |
|---------------|-------|------------|---------------|
| #15           | 2%    | 120pcs/box | UDGP002000015 |
| #20           |       |            | UDGP002000020 |
| #25           |       |            | UDGP002000025 |
| #30           |       |            | UDGP002000030 |
| #35           |       |            | UDGP002000035 |
| #40           |       |            | UDGP002000040 |
| #15-#40       |       |            | UDGP002000A01 |
| #45           |       |            | UDGP002000045 |
| #50           |       |            | UDGP002000050 |
| #55           |       |            | UDGP002000055 |
| #60           |       |            | UDGP002000060 |
| #65           |       |            | UDGP002000065 |
| #70           |       |            | UDGP002000070 |
| #75           |       |            | UDGP002000075 |
| #80           |       |            | UDGP002000080 |
| #45-#80       |       |            | UDGP002000A02 |

| Specification | Taper | package   | REF           |
|---------------|-------|-----------|---------------|
| #15           | 4%    | 60pcs/box | UDGP004000015 |
| #20           |       |           | UDGP004000020 |
| #25           |       |           | UDGP004000025 |
| #30           |       |           | UDGP004000030 |
| #35           |       |           | UDGP004000035 |
| #40           |       |           | UDGP004000040 |
| #15-#40       |       |           | UDGP004000A01 |
| #45           |       |           | UDGP004000045 |
| #50           |       |           | UDGP004000050 |
| #55           |       |           | UDGP004000055 |
| #60           |       |           | UDGP004000060 |
| #65           |       |           | UDGP004000065 |
| #70           |       |           | UDGP004000070 |
| #75           |       |           | UDGP004000075 |
| #80           |       |           | UDGP004000080 |
| #45-#80       |       |           | UDGP004000A02 |

| Specification | Taper | package   | REF           |
|---------------|-------|-----------|---------------|
| #15           | 6%    | 60pcs/box | UDGP006000015 |
| #20           |       |           | UDGP006000020 |
| #25           |       |           | UDGP006000025 |
| #30           |       |           | UDGP006000030 |
| #35           |       |           | UDGP006000035 |
| #40           |       |           | UDGP006000040 |
| #15-#40       |       |           | UDGP006000A01 |
| #45           |       |           | UDGP006000045 |
| #50           |       |           | UDGP006000050 |
| #55           |       |           | UDGP006000055 |
| #60           |       |           | UDGP006000060 |
| #65           |       |           | UDGP006000065 |
| #70           |       |           | UDGP006000070 |
| #75           |       |           | UDGP006000075 |
| #80           |       |           | UDGP006000080 |
| #45-#80       |       |           | UDGP006000A02 |

### Protaper

| Specification | Taper | package   | REF           |
|---------------|-------|-----------|---------------|
| F1            | /     | 60pcs/box | UDPT0000000F1 |
| F2            | /     |           | UDPT0000000F2 |
| F3            | /     |           | UDPT0000000F3 |
| F4            | /     |           | UDPT0000000F4 |
| F5            | /     |           | UDPT0000000F5 |
| Assorted      | /     |           | UDPT000000A01 |
| 28            | 0.04  |           | UDGP004000028 |
|               | 0.06  |           | UDGP006000028 |

### WAVE ONE GOLD

| Specification | Taper | package   | REF           |
|---------------|-------|-----------|---------------|
| 2007 small    | /     | 60pcs/box | UDWG007000020 |
| 2507 Primary  | /     |           | UDWG007000025 |
| 3506 medium   | /     |           | UDWG006000035 |
| 4505 large    | /     |           | UDWG005000045 |
| Assorted      | /     |           | UDWG000000A01 |

### Protaper NEXT

| Specification | Taper | package   | REF           |
|---------------|-------|-----------|---------------|
| X1            | /     | 60pcs/box | UDPN0000000X1 |
| X2            | /     |           | UDPN0000000X2 |
| X3            | /     |           | UDPN0000000X3 |
| X4            | /     |           | UDPN0000000X4 |
| X5            | /     |           | UDPN0000000X5 |
| Assorted      | /     |           | UDPN000000A01 |

### RECIPROC

| Specification | Taper | package   | REF           |
|---------------|-------|-----------|---------------|
| R25           | /     | 60pcs/box | UDRP000000R25 |
| R40           | /     |           | UDRP000000R40 |
| R50           | /     |           | UDRP000000R50 |
| Assorted      | /     |           | UDRP000000A01 |

### Protaper Gold

| Specification | Taper | package   | REF           |
|---------------|-------|-----------|---------------|
| F1            | /     | 60pcs/box | UDPG0000000F1 |
| F2            | /     |           | UDPG0000000F2 |
| F3            | /     |           | UDPG0000000F3 |
| F4            | /     |           | UDPG0000000F4 |
| F5            | /     |           | UDPG0000000F5 |
| Assorted      | /     |           | UDPG000000A01 |

### Special GP

| Specification | Taper | package         | REF           |
|---------------|-------|-----------------|---------------|
| XF            | /     | 100pcs/Slidebox | UDGS0000000XF |
| FF            | /     |                 | UDGS0000000FF |
| MF            | /     |                 | UDGS0000000MF |
| F             | /     |                 | UDGS0000000F  |
| FM            | /     |                 | UDGS0000000FM |
| M             | /     |                 | UDGS0000000M  |
| ML            | /     |                 | UDGS0000000ML |
| L             | /     |                 | UDGS0000000L  |
| XL            | /     |                 | UDGS0000000XL |

### Gutta Percha Obturator

| Specification | Taper | package         | REF           |
|---------------|-------|-----------------|---------------|
| 2.5mm         | /     | 100pcs/Slidebox | UDGO000025000 |
| 3.0mm         | /     |                 | UDGO000030000 |

Paper Points come in three colours shapes with specifications 2%, 4% and 6%.

RED Shape: Large tapered 0.06 Taper, PINK Shape: Large tapered 0.04 taper, WHITE Shape: ISO Standard 0.02 Taper.

**Certification:** Class Ia,DOC,ISO



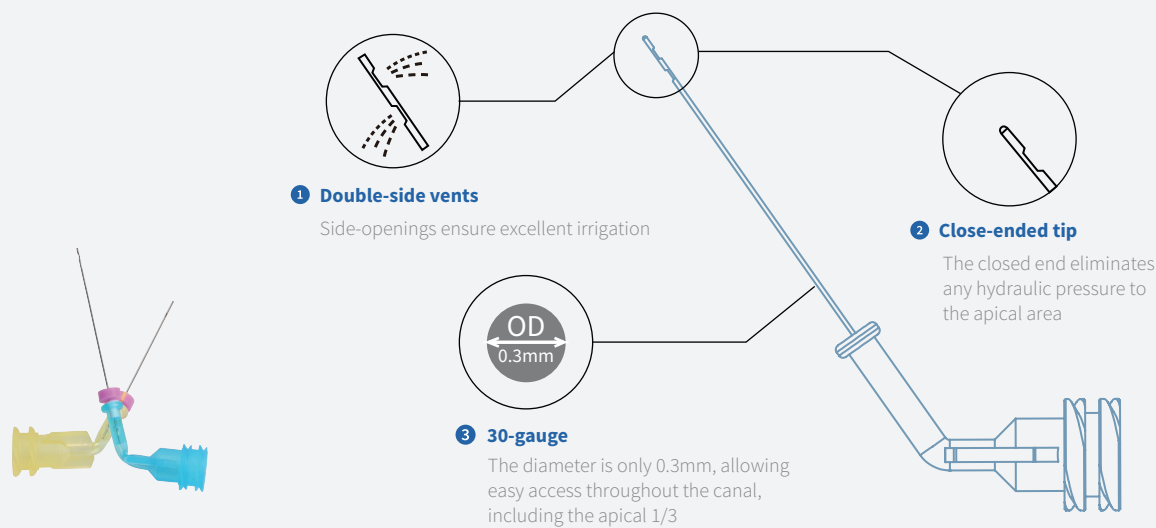
| Paper Points  |       |            |               |               |       |            |               |
|---------------|-------|------------|---------------|---------------|-------|------------|---------------|
| Specification | Taper | package    | REF           | Specification | Taper | package    | REF           |
| #15           | 2%    | 200pcs/box | UDPP002000015 | #15           | 6%    | 100pcs/box | UDPP006000015 |
| #20           |       |            | UDPP002000020 | #20           |       |            | UDPP006000020 |
| #25           |       |            | UDPP002000025 | #25           |       |            | UDPP006000025 |
| #30           |       |            | UDPP002000030 | #30           |       |            | UDPP006000030 |
| #35           |       |            | UDPP002000035 | #35           |       |            | UDPP006000035 |
| #40           |       |            | UDPP002000040 | #40           |       |            | UDPP006000040 |
| #15-#40       |       |            | UDPP002000A01 | #15-#40       |       |            | UDPP006000A01 |
| #45           |       |            | UDPP002000045 | #45           |       |            | UDPP006000045 |
| #50           |       |            | UDPP002000050 | #50           |       |            | UDPP006000050 |
| #55           |       |            | UDPP002000055 | #55           |       |            | UDPP006000055 |
| #60           |       |            | UDPP002000060 | #60           |       |            | UDPP006000060 |
| #65           |       |            | UDPP002000065 | #65           |       |            | UDPP006000065 |
| #70           |       |            | UDPP002000070 | #70           |       |            | UDPP006000070 |
| #75           |       |            | UDPP002000075 | #75           |       |            | UDPP006000075 |
| #80           |       |            | UDPP002000080 | #80           |       |            | UDPP006000080 |
| #45-#80       |       |            | UDPP002000A02 | #45-#80       |       |            | UDPP006000A02 |

| Specification | Taper | package    | REF           |
|---------------|-------|------------|---------------|
| #15           | 4%    | 100pcs/box | UDPP004000015 |
| #20           |       |            | UDPP004000020 |
| #25           |       |            | UDPP004000025 |
| #30           |       |            | UDPP004000030 |
| #35           |       |            | UDPP004000035 |
| #40           |       |            | UDPP004000040 |
| #15-#40       |       |            | UDPP004000A01 |
| #45           |       |            | UDPP004000045 |
| #50           |       |            | UDPP004000050 |
| #55           |       |            | UDPP004000055 |
| #60           |       |            | UDPP004000060 |
| #65           |       |            | UDPP004000065 |
| #70           |       |            | UDPP004000070 |
| #75           |       |            | UDPP004000075 |
| #80           |       |            | UDPP004000080 |
| #45-#80       |       |            | UDPP004000A02 |

Irrigation Needle

Accessories

The irrigation needle is bendable. Its vents are on the sides while the tip has a closed end; this eliminates any hydraulic pressure to the apical area while maintaining excellent irrigation. It comes in two lengths: 22mm for posterior teeth, and 26mm for anterior teeth.



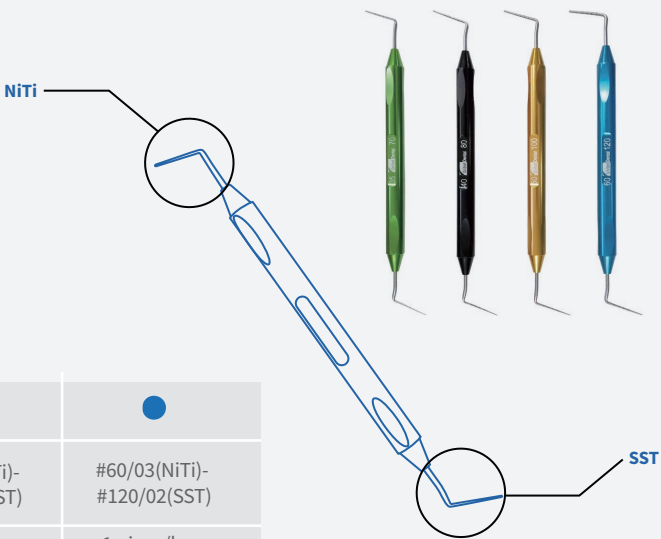
| Color  | Length | Diameter | Package          |
|--------|--------|----------|------------------|
| Yellow | 22mm   | 0.3mm    | 20&50 pieces/box |
| Blue   | 26mm   | 0.3mm    | 20&50 pieces/box |

|                   |                 |    |              |
|-------------------|-----------------|----|--------------|
| Irrigation needle | single side cut | 20 | UDINS3022020 |
|                   |                 |    | UDINS3026020 |
|                   |                 | 50 | UDINS3022050 |
|                   | double side cut |    | UDINS3026050 |
|                   |                 | 20 | UDINB3022020 |
|                   |                 | 50 | UDINB3026020 |

Plugger

Accessories

These pluggers are double-ended. The smaller end is made of NiTi, while the bigger end is stainless steel. The NiTi end is recommended for narrow and curved canals; the stainless steel end is for bigger and straighter canals.



| Color   |                              |                              |                               |                               |
|---------|------------------------------|------------------------------|-------------------------------|-------------------------------|
| Size    | #35/03(NiTi)-<br>#70/02(SST) | #40/03(NiTi)-<br>#80/02(SST) | #50/03(NiTi)-<br>#100/02(SST) | #60/03(NiTi)-<br>#120/02(SST) |
| Package | 1 piece/box                  | 1 piece/box                  | 1 piece/box                   | 1 piece/box                   |
| Ref     | UDPL357001                   | UDPL408001                   | UDPL5010001                   | UDPL6012001                   |

## Endo Clean Box

### Accessories

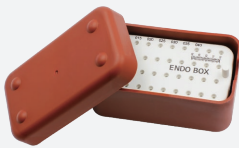


Autoclavable. Made of TPX plastic.

**Certification:** Medical Class I, EC Declaration of Conformity  
REF: UDECB01

## Endo Box

### Accessories

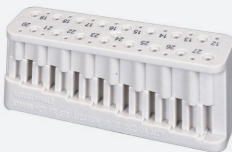


Autoclavable file organizer. Made of TPX plastic.

**Certification:** Medical Class I, EC Declaration of Conformity  
REF: UDEB01

## Endo Ruler

### Accessories



Autoclavable.

REF: UDMR01

## Hand Files Holder

### Accessories



Comes in blue color and made up of medical grade stainless steel. It is autoclavable and has a 3-year warranty.

**Certification:** Medical Class I  
REF: UDHFH01

## Training Block

### Accessories



J-curve plastic block.

REF: UDHFH01

## 3D Tooth

### Accessories



3D printed plastic tooth for endodontic training. Replica of a natural maxillary first molar with MB2.

REF: UDHFH01



## Introduction

Changzhou Bomedent Medical Technology Co. Ltd is a high-tech enterprise which focuses on researching, developing, selling and servicing dental instruments.

Our main products are endodontic micromotor; apex locator and related products. Our R & D team has more than ten years experience in the development of dental products.

We have 4 broad ranges of products under Bomedent: Endo-motor, Apex Locator, Obturation & Ultrasonic Irrigation System.



# ENDO-MOTOR & APEX LOCATOR



## Bomedent Endo-motor & Apex Locator

📌 A high-tech enterprise who focus on researching, developing, selling and servicing dental instruments.

### Bomedent range of products:

**iRoot Apex:** Apex Locator.

**Marc III:** Cordless Endo Motor.

**iRoot Pro:** Endo Motor + Apex Locator.



REF: SRCM6000

**iRoot Apex**

Working  
Length  
Determination



REF: SMEM2000

**Marc III**

Shaping



REF: SRCT2000

**iRoot Pro**

Shaping





## **iRoot Apex** Smart precise Apex Locator



Easy Start



Integrated  
Bluetooth



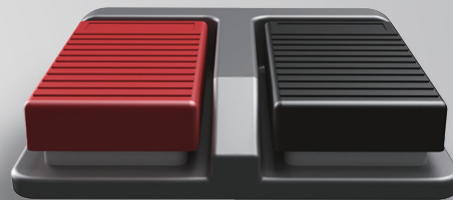
Equipped with high precision gyroscope; display mode switches according to the state of display.


**iRoot Pro**  
 Cordless Endo Motor  
 with integrated Apex Locator

Shaping




**iPedal**



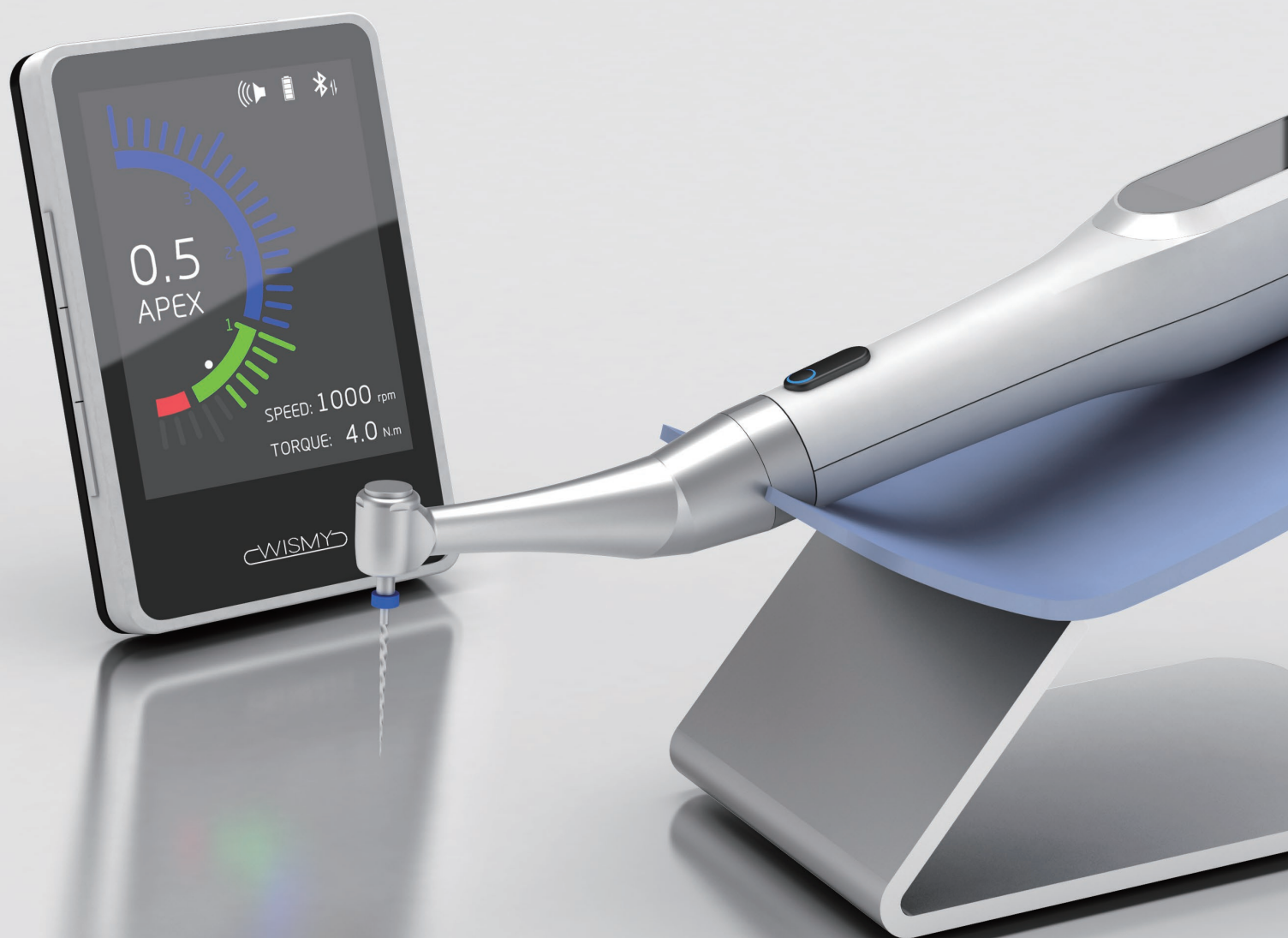

**Marc III**  
 Cordless Endo Motor

Shaping



Marc III can be connected to iRoot Apex by cable.

# WISMY



# WISMY

## Endo-motor & Apex Locator

**Wismy range of products:**

- Endo Wise: Cordless Endo Motor.
- Endo-Wise Plus: Cordless Endo Motor + Apex Locator.
- Wisplex: Apex Locator



REF: SRRA1000

**Wisplex**



REF: SMMA1000

**Endo wise**

Shaping



REF: SRTA3000

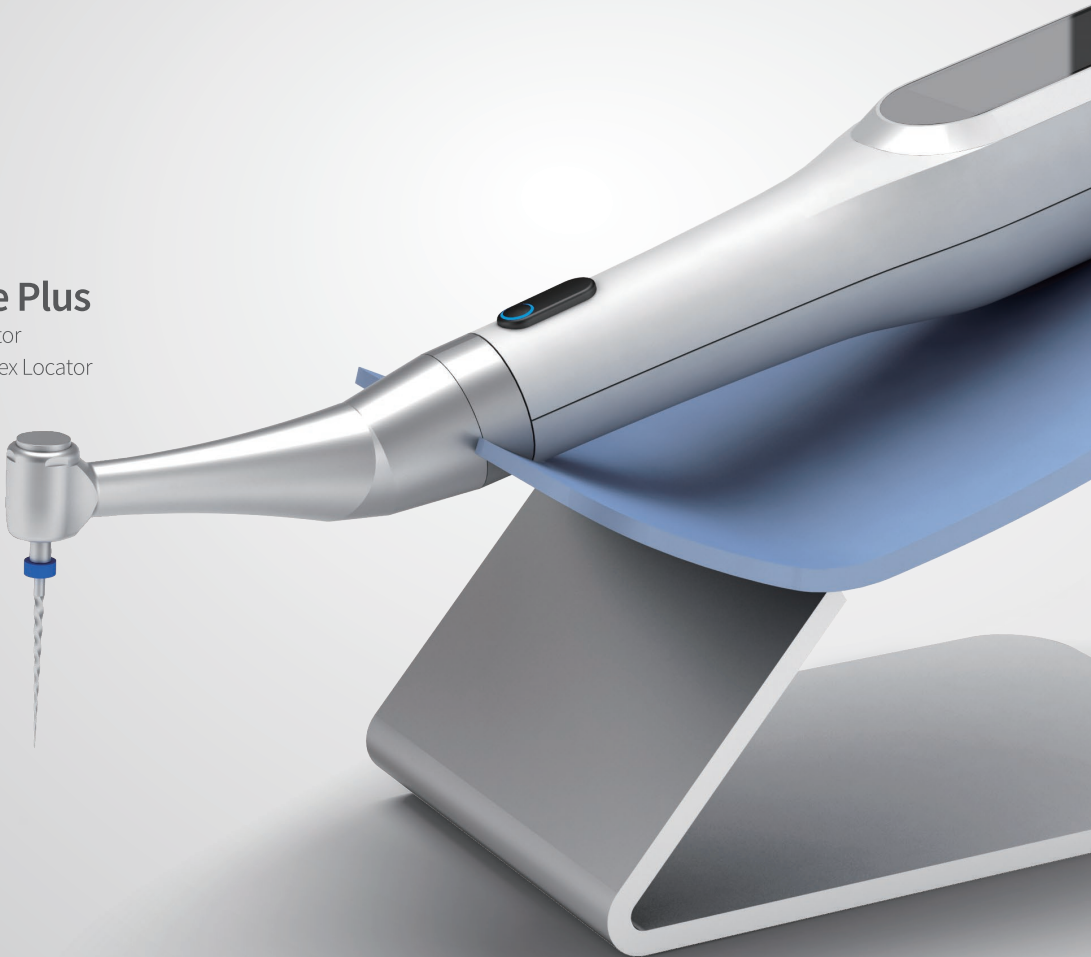
**Endo wise Plus**

Shaping





 **Endo Wise Plus**  
Cordless Endo Motor  
with integrated Apex Locator



 **Wispex**  
Apex Locator



**Four Working Modes**

| 1                                      | 2                                       | 3                       | 4             |
|----------------------------------------|-----------------------------------------|-------------------------|---------------|
| APEX<br>LOCATOR<br>CONTROLLED<br>MOTOR | MOTOR<br>APEX<br>LOCATOR<br>INDEPENDENT | ONLY<br>APEX<br>LOCATOR | ONLY<br>MOTOR |

**Accurate. Sensitive.**

- High definition TFT Screen.
- Multi-frequency measurement technology guarantees high accuracy.
- Multi-color display by position.
- Segmented display of the file in root canal.
- Working length adjustable.
- Not affected by fluid or tissue in the root canal.
- Suitable for all tooth types.



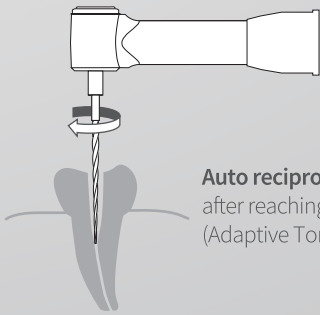
|                                                             |                                                                                                                                 |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Type                                                        | Portable / Cordless                                                                                                             |
| Memory                                                      | 10 Memory Setting                                                                                                               |
| Rotation                                                    | Clockwise / Anti-Clockwise / Reciprocating                                                                                      |
| Reciprocating                                               | Rotation Angle Adjustable                                                                                                       |
| Speed / Torque                                              | 800 rpm Max / 4.0 Ncm Max                                                                                                       |
| Battery                                                     | Rechargeable / Replaceable                                                                                                      |
| Charging                                                    | Micro USB                                                                                                                       |
| Display                                                     | OLED                                                                                                                            |
| Available Contra Angle                                      | 16:1                                                                                                                            |
| Apex Locator Control Motor<br>Working Mode / Torque Control | Auto Start in the Root Canal<br>Auto Reverse when Reaching Apical Foramen<br>Auto Reverse when Exceeding the Torque Limit Value |

Endo Wise  
Cordless Endo Motor

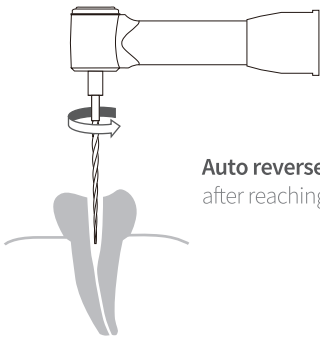
Shaping

Features

- 1. Multiple reciprocating
- 2. Large OLED Screen, Long working time
- 3. Accurate torque control



Auto reciprocating  
after reaching preset torque limit  
(Adaptive Torque)



Auto reverse  
after reaching torque limit



# ULTRASONIC ENDO ACTIVATION DEVICE

**Actor I pro**  
Ultrasonic Endo Activation Device  
REF: SRCW2000



**Two working modes**  
regular and high power options,  
for different situations.



**1600mAh**  
Long standby time



**Wireless charging**  
Faster and more convenient.



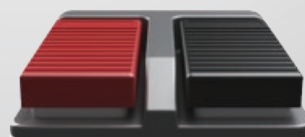
**Small amplitude  
Strong Power**



Mute ultrasonic technology.  
Small amplitude but strong power  
working more stable and less noisy.



**Different tips to meet more root  
canal requirements**  
20/02-21mm, 25/02-18mm



**Wireless control** (optional)  
Wireless foot control, allows hands-free  
operation by dentist.



**Front light**  
The LED light gives a better view  
inside oral cavity.



# Bomedent Obturation & Ultrasonic Irrigation System



REF: SRCF1000

**eFiller**

Obturation



REF: SRCH1000

**eHeater**

Obturation

## Bomedent range of products:

**Actor I Pro:** Ultrasonic Endo Activation Device.

**eFiller:** Obturation System Backfill.

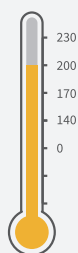
**eHeater:** Obturation System Down Pack.



# OBTURATION SYSTEM BACKFILL



## **eFiller** Obturation System Backfill



### Rapid heating

It takes only 14 seconds to quickly melt the gutta percha. Reduces the warm-up waiting time.



### 2600mAh

Long standby time



### Ergonomic design

Balanced and comfortable handling



### Four working temperatures

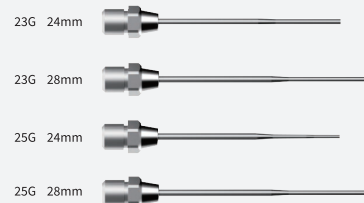
Wide temperature range, adapt to different gutta percha points on the market.

140°C 170°C 200°C 230°C

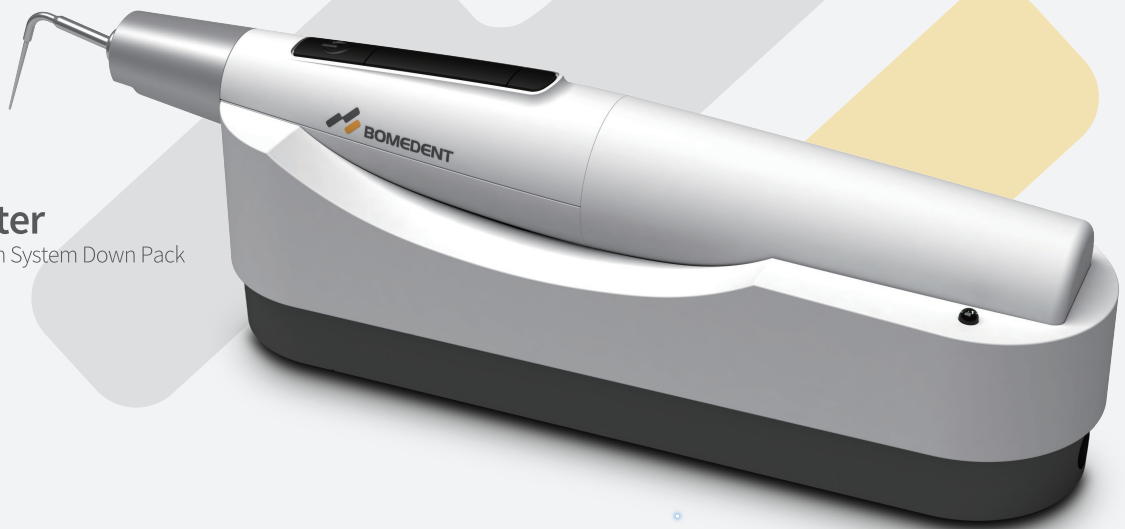


### Four working tips

2 gauges, 2 lengths, 925 silver



# OBTURATION SYSTEM DOWN PACK



## eHeater

Obturation System Down Pack



### Safe working time

Work continuously for 4 seconds then stop heating, to avoid danger of scorching the soft tissues.



### 2600mAh

Long standby time



### 0.2s to 200 °C

The temperature rises instantaneously in 0.2 seconds, no waiting.



### Rotatable tip

The needle can be rotated to adapt to multi-angle operation.



### Wireless control (optional)

Wireless foot control, allows hands-free operation by dentist.



### Front light

The LED light gives a better view inside oral cavity.

