

FANTastic one stop micro-endodontic solution



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2026 ENDODONTIC PRODUCTS CATALOGUE

AF Wire

As is known to all of us, stainless steel instruments are too rigid to suit for apical enlargement in narrow and curved canals, NiTi alloy has superior properties in ductility, fatigue, recoverable strain, bio-compatibility, and corrosion resistance. AF Wire is a developed NiTi alloy, which ideally has excellent mechanical strength properties, and its flexibility is enough to avoid canal transportation. However, its hardness is large enough to allow for good cutting efficacy. There are three kinds of flexibility for choice, which depends on the crystallographic phases presented in the alloy, and they are AF-L, AF-R and AF-H.

As a result of constant innovation and improvement, Fanta has developed an exclusive alloy called AF Wire.

Fanta AF Wire is a special heat-treated wire used for producing Endodontic Rotary Files.

FROM AUSTENITE TO MARTENSITE:

NORMAL NITI AF-L AF-R AF-H
Rigid Flexible More Flexible Extremely Flexible



RISING

Unique
Powerful
Effective

Variable cross-sectioned anatomical instrumentation



Fanta Rising is an extraordinary instrument that pushes the limits of endodontics. Rising leads in anatomical shaping and offers an excellent technique for clinical practice. With its special design, Rising touches all the walls while rotating inside the root canal. It works so smoothly and powerfully that it effectively shapes the root canal. The angle of the instrument is what makes Rising unique, as its passive tip never causes perforation inside the root canal. The high speed of the instrument makes shaping easier, while the variable cross-section enhances its performance. Fanta Rising can handle 95% of cases across all types of root canals. With the effect of irrigation and activation, Rising can be used in every type of root canal. The special cross-section at the apical end makes it easier to create an apical stop. Rising also has its own Gutta Pecha and Paper Point.

Minimal Invasive Shaping:

Variable cross-sectioned anatomical instrumentation

Makes cone fit perfectly:

The special design at apical

Extreme cutting efficiency:

Specialized cutting angle that has never done before

Maximum debris removal:

Special design smoothly removes debris from apical to coronal, abating the stress suffering from the obturated debris

Different Ni-Ti phase in every file:

Specified metallurgy for every file

Endodontic instruments are widely used in endodontics, with technology bringing us the benefits and advantages of Ni-Ti.

Dr. Emre Övsay DDS, PhD

Co-designers,
Clinical expert advisors for
RISING SYSTEM

We are not offering you
endodontic instruments.
We are offering you a file system
that changes everything!

Professor Endodontology
Dr Emre Övsay is a member of ESE (European Society of Endodontology) and Turkish Endodontic Society.



SINGLE SIZE	19MM	Speed:450RPM Torque:2,5N
RR	A23 2510 019 018	●

SINGLE SIZE	21MM	25MM	31MM	
R1	A23 2503 021 014	A23 2503 025 014	A23 2503 031 014	●
R2	A23 2504 021 025	A23 2504 025 025	A23 2504 031 025	●
R3	A23 2504 021 028	A23 2504 025 028	A23 2504 031 028	●
R4	A23 2505 021 028	A23 2505 025 028	A23 2505 031 028	●

5 PCS/BOX

ASSORTED	21MM	25MM	31MM
RR+R1+R2+R3+R4	A23 1500 021 000	A23 1500 025 000	A23 1500 031 000

RISING SOLUTION



C File



Rising



Gutta Percha



Paper Point



Irrigation Needle



Warm Gutta-Percha



MCS 3000A



Actor I Pro



eFiller



SCM-018

HARMONY

- AF-L wire technology
- Minimally Invasive Kit
- Suitable for calcified canals
- Simple file sequence
- Variable cross-section design
- Innovative taper design
- Balanced property between elasticity and flexibility

variable cross-section PATENTED



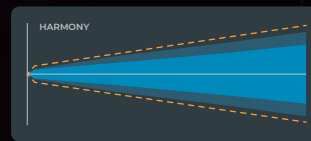
Mechanical properties of Harmony system file

Thanks to its variable taper design, Fanta Harmony, which contains #17.04, #22.04, #30.04, reduces excessive dentin cutting of the coronal parts. As you can see in the below figures, compared to other files of identical size, this modified file cuts less dentin in the coronal parts. Additionally, each file cuts the dentin more smoothly, which improves cutting efficiency and protects the instruments.

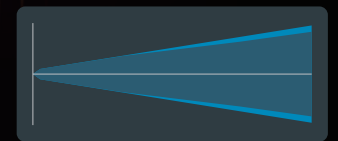
Reduced risk of canal transportation

Compared to other files with identical cross-sections, Fanta Harmony chooses all the 04 taper with small sizes respecting the principle of minimally invasive shaping and enables a larger space due to its modified cross section for debris exclusion, which ensure a flexible performance to respect the anatomy of the root canal. Additionally, the adoption of a radial land for the cross section lessens the possibility of acute cutting to the root canal wall on the apical part for safe treatment.

Each file will evenly cut the dentin, enhancing cutting efficiency and protecting the instruments.



17/04 22/04 30/04



OTHER FILE 22/04 HARMONY 22/04

3 pcs/box

Speed:350RPM Torque:2-2.5N

SINGLE SIZE	21MM	25MM	31MM	TAPER	SIZE	
17/04	A24 2304 021 017	A24 2304 025 017	A24 2304 031 017	04vt	#17	●
22/04	A24 2304 021 022	A24 2304 025 022	A24 2304 031 022	04vt	#22	●
30/04	A24 2304 021 030	A24 2304 025 030	A24 2304 031 030	04	#30	●
ASSORTED	21MM	25MM	31MM			
Harmony 17/04+22/04+30/04	A24 1304 021 000	A24 1304 025 000	A24 1304 031 000			

R ONE MINI KIT

Efficient
Flexible
User-friendly



- Two instruments reciprocating sequence
- Minimally invasive KIT: this sequence is designed to preserve the pericervical dentin in order to reduce the vertical root fracture (VRT) of the endodontically treated teeth.
- Decreased maximum diameter.
- Two different thermal treatment, based on the instrument peculiar property.
- Inactive tip
- S shaped cross-sectional design.

- 0.19 tip and 05 variable taper design, special collaboration as the opener.
- Conforming to the conception of minimal invasion, the modified opener respects the canal coronal and enables catabatic dentine loss.
- Increasing the number of flutes to enhance the cutting ability. Strengthening the ability of the resistance to despiralization of the file as the coronal opening file.



ONLY FOR 19.05vt  Speed:300RPM Torque:2.5N



Marco Seracchiani

Co-designers,
Clinical expert advisors for
R ONE MINI KIT

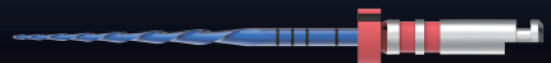
Dentistry and Dental Prosthetics
Doctor of Philosophy

- 0.17 tip and 04 variable taper design, thought to be used as a pre shaping file
- First instrument after manual glide path with a k file 10
- AF-L alloy: the less martensitic FANTA DENTAL proprietary thermal treatment. This confers two advantages: the flexibility that is guaranteed by the design dimensions and the alloy and the proper torsional resistance that is guaranteed by a thermal treatment that does not make the instrument too soft.

- 0.25 tip and 06 variable taper design, with a maximum diameter of nearly 1mm. This allows to preserve more cervical dentin compared to traditional shaping file, reducing the incidence of VRT.
- Last instrument of the sequence, the perfect second instrument with a proportional increase to reduce the stress on the instrument.
- Dedicated Gutta percha cones made for a superior precision with a perfect match with the file of the sequence.
- AF-R alloy: a medium martensitic FANTA DENTAL thermal treatment. This confers two advantages: the flexibility that is guaranteed by the thermally treated alloy and the proper torsional resistance and cutting efficiency that is guaranteed by the design dimensions such as tip, taper and cross section.



ONLY FOR 17.04vt  CW:30 CCW:150



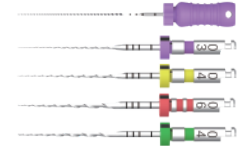
ONLY FOR 25.06vt  CW:30 CCW:150

AF F ONE

- AF-R Wire technology
- Single File System
- Excellent Adaption to Curved Canals
- Patented Flat-Side Design
- Superior Cutting Efficiency
- High Resistance to Cyclic Fatigue
- Debris removed efficiently in coronal direction
- Easily bypassed if the file is separated

F One Kit
(Selected by Style Italiano Endodontics)

- Predictable Treatment
- Simple-Safe Techniques
- Efficient Instrumentation
- Repeatability



FEATURES



3 PCS/BOX <OPEN FILE>Speed:300rpm Torque:3N <OTHERS>Speed:400-500rpm Torque:2.5N

SINGLE SIZE	21MM	25MM	31MM	TAPER	SIZE	
F-ONE F1	A20 2304 021 020	A20 2304 025 020	A20 2304 031 020	04	#20	●
F-ONE F2	A20 2304 021 025	A20 2304 025 025	A20 2304 031 025	04	#25	●
F-ONE F3	A20 2304 021 035	A20 2304 025 035	A20 2304 031 035	04	#35	●
F-ONE F4	A20 2306 021 020	A20 2306 025 020	A20 2306 031 020	06	#20	●
F-ONE F5	A20 2306 021 025	A20 2306 025 025	A20 2306 031 025	06	#25	●
F-ONE F6	A20 2306 021 035	A20 2306 025 035	A20 2306 031 035	06	#35	●

5 PCS/BOX

ASSORTED	21MM	25MM	31MM
#10 K file+1303+2004+2506+3504	SIE21	SIE25	SIE31

AF CL

- AF-R Wire Tech
- Speciality tip-design for Ledge Bypassing
- Diamond Cross Section
- Suitable for Curved Canals

The key solution in ledge treatment is to understand how ledges are formed in root canal:

All nickel-titanium instruments have both good and bad things. They are all called "memory" files. The good thing is that the nickel-titanium file has elastic and self-adaptor. The bad thing is when the rotating file stays at the curved root canal, it is still cutting the outer part of the bend, and the problem arises. the ledge formation depends on the design of the file (the stronger the cutting ability of the file, is the faster the ledge formation will be). As the root canal tends to return to the design shape, the ledges are formed. The use of rigid hand files in root canal preparation, or preparation in too rush, violence, may also lead to the formation of ledges.

FEATURES



6 PCS/BOX

CW:90-150 CCW:30

SINGLE SIZE	21MM	25MM	31MM	TAPER	SIZE	
10/06	F07 2606 021 010	F07 2606 025 010	F07 2606 031 010	06	#10	●
15/06	F07 2606 021 015	F07 2606 025 015	F07 2606 031 015	06	#15	○
10/08	F07 2608 021 010	F07 2608 025 010	F07 2608 031 010	08 vt	#10	●
20/07	F07 2607 021 020	F07 2607 025 020	F07 2607 031 020	07 vt	#20	●
25/08	F07 2608 021 025	F07 2608 025 025	F07 2608 031 025	08 vt	#25	●
30/09	F07 2609 021 030	F07 2609 025 030	F07 2609 031 030	09 vt	#30	●

6 PCS/BOX

ASSORTED	21MM	25MM	31MM
10/06+15/06+10/08+20/07+25/08+30/09	F07 1600 021 000	F07 1600 025 000	F07 1600 031 000

AF BABY


- AF-H Wire Tech
- Improved Resistance to Cyclic Fatigue
- Advanced Tip Process & Avoid Forming Ledges
- Special design for deciduous teeth







Children's immunity is relatively low, as far as possible one-time use, avoid cross-infection.

The root canal treatment of primary teeth is to remove the adverse stimulation of infectious substances on periapical tissues by preparing root canal and disinfecting with drugs, and to fill the root canal with the absorbable filling material, thereby promoting the treatment of apical periodontal healing. In the treatment of root canal of primary teeth, preparation of root canal, thorough disinfection of root canal, careful filling of root canal, necessary periodontal and tooth treatment are the key steps of root canal treatment.

FEATURES



6 PCS/BOX  Speed:350rpm Torque:2N

SINGLE SIZE	16MM	TAPER	SIZE	
20/04	A06 2604 016 020	04	#20	
25/04	A06 2604 016 025	04	#25	
30/04	A06 2604 016 030	04	#30	
20/06	A06 2606 016 020	06	#20	
25/06	A06 2606 016 025	06	#25	
30/06	A06 2606 016 030	06	#30	

4 PCS/BOX  <OPEN FILE> Speed:300rpm Torque:3N

ASSORTED	16MM
Open File+20/04+25/04+30/04	A06 1404 016 000
Open File+20/06+25/06+30/06	A06 1406 016 000

6 PCS/BOX

SINGLE SIZE	10MM	TAPER	SIZE	
Open File	A06 2608 010 017	08	#17	

V-TAPER GOLD

- AF-R Wire Tech for Shaping Files
- AF-H Wire Tech for Finishing Files
- 3 Shaping Files, 3 Finishing Files
- Specialty for Variable Taper 6 Files Design
- Suitable for Curved Root Canal Preparation
- High elasticity of NITI Material

FEATURES



6 PCS/BOX

Speed:350RPM Torque:2-2.5N

SINGLE SIZE	19MM				TAPER	SIZE
SX	V02 2604 019 019				04 vt	#19 ●
SINGLE SIZE	21MM	25MM	31MM	TAPER	SIZE	
S1	V02 2602 021 018	V02 2602 025 018	V02 2602 031 018	02 vt	#18 ●	
S2	V02 2604 021 020	V02 2604 025 020	V02 2604 031 020	04 vt	#20 ○	
F1	V02 2607 021 020	V02 2607 025 020	V02 2607 031 020	07 vt	#20 ●	
F2	V02 2608 021 025	V02 2608 025 025	V02 2608 031 025	08 vt	#25 ●	
F3	V02 2609 021 030	V02 2609 025 030	V02 2609 031 030	09 vt	#30 ●	

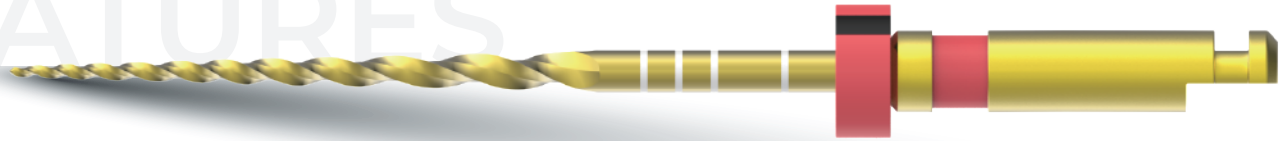
6 PCS/BOX

ASSORTED	21MM	25MM	31MM
SX+S1+S2+F1+F2+F3	V02 1600 021 000	V02 1600 025 000	V02 1600 031 000

V-TAPER GOLD 2025

- AF L Wire Technology
- 3 Shaping Files and 3 Finishing Files
- Variable Taper Designed for Better Cutting Efficiency
- Large Size Suitable for Large Canals

FEATURES



6 PCS/BOX

Speed:350RPM Torque:2-2.5N

SINGLE SIZE	19MM				TAPER	SIZE	
SX	V03 2604 019 019				04 vt	#19	●
SINGLE SIZE	21MM	25MM	31MM	TAPER	SIZE		
S1	V03 2602 021 018	V03 2602 025 018	V03 2602 031 018	02 vt	#18	●	
S2	V03 2604 021 020	V03 2604 025 020	V03 2604 031 020	04 vt	#20	○	
F1	V03 2607 021 020	V03 2607 025 020	V03 2607 031 020	07 vt	#20	●	
F2	V03 2608 021 025	V03 2608 025 025	V03 2608 031 025	08 vt	#25	●	
F3	V03 2609 021 030	V03 2609 025 030	V03 2609 031 030	09 vt	#30	●	

6 PCS/BOX

ASSORTED	21MM	25MM	31MM
SX+S1+S2+F1+F2+F3	V03 1600 021 000	V03 1600 025 000	V03 1600 031 000



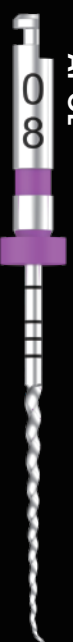
V-Taper Gold 2025



V-Taper Gold



AF Baby Rotary



AF CL



AF F ONE



R One Mini Kit



Harmony

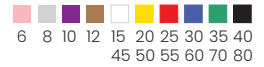


Rising

STAINLESS STEEL HAND FILES

- Better Flexibility
- High-Quality Stainless Steel
- Suitable for Complex Anatomies

ISO 6, 8, 10, 12, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80 (Sst)
Lengths : 21, 25, 31 mm
Taper: 2%



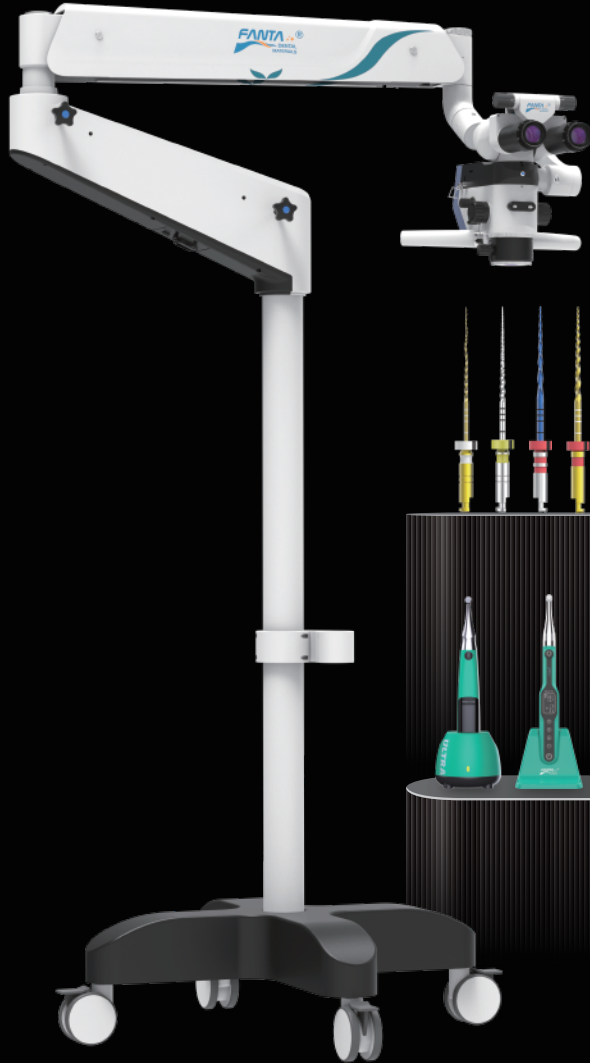
FEATURES



C FILE	K FILE	H FILE
21/25/31	21/25/31	21/25/31
#6	#6	#6
#8	#8	#8
#10	#10	#10
#12	#15	#15
#15	#20	#20
	#25	#25
	#30	#30
	#35	#35
	#40	#40
	#45	#45
	#50	#50
	#55	#55
	#60	#60
	#70	#70
	#80	#80

FANTA DENTAL

FANTastic one stop micro-endodontic solution



MODEL

SCM-018

Fanta iRoot Ultra

**2500
RPM**
Maximum speed



Wireless charging



Apical action settings



4 Operation modes available

Only motor;
Only Apex;
Motor and apex locator;
Apex locator controls motor



Brushless motor

Fanta's first brushless motor serves you the circumstance with low noise when the equipment works, and extremely enhances the service life of the motor for economy. It works more stable and reduces the risk of instrument separation which enables high-efficient preparation.



Integrated 4 working modes

CW mode, CCW mode,
REC mode, ATR mode



Inbuilt file system presets

Most Fanta rotary files (including F One, Rising, AF Rotary) and other mainstream files preset the recommended speed and torque in the unit, a redundant process is left out when you use the files and cater the settings, which greatly improves your daily working experience.

6:1 

Mini 6:1 360° rotatable
contra-angle



Wireless
control



10 memory
programs



Operated by
both left and
right hands

Parameters:

Speed: 100-2500rpm

Torque: 0.4-4N.cm

Battery Capacity: 2000mAh

Reciprocate angle: 30-370°, adjustment range at 10° intervals

Screen resolution: 1.13 inch OLED

Endo Motor + Apex Locator

Fanta iRoot Pro

Endo motor for root canal preparation
with integrated apex locator.



Compatible with most
of NiTi files on market



6 angles available both
hands are applicable



Portable, Smart,
Cordless



10 memory setting +
quick start setting



Integrated wireless control
function, displayed data
synchronize



Cordless motor, no
accessories required,
clean and clear

Four Working Modes

P 01 350 rpm
[ENDO-M] 2.4 N.cm
[APEX-L]
FW

Apex Locator Control Motor

P 01 350 rpm
ENDO-M 2.4 N.cm
APEX-L
FW

Apex Locator Endo Motor

P 01 350 rpm
ONLY 2.4 N.cm
APEX-L
FW

Only Apex Locator

P 01 350 rpm
ONLY 2.4 N.cm
ENDO-M
FW

Only Endo Motor

The most convenient root canal treatment system, complete root canal length measurement and root canal preparation on the handpiece, you just need to connect a lip hook with the motor to make the canal length measurement and preparation at the same time.

MODEL

iRoot mini
iRoot mini SE

Fanta iRoot Mini

Endo Motor



Minimum volume of 190mm,
easy to hold in one hand



Super light weight of 99g,
comfortable and barely noticeable



Ultra-Quiet Technology, more
stable, not worried about noise



Customizable Modes: 10
presets for tailored
functionality



Maximum speed up to 800RPM,
achieving high efficiency

Ultrasonic Endo Activation Device

MODEL
Actor I Pro



Two Working Modes
Regular and strong power options, meet different situation requirement.



Wireless Charging
Equipped with wireless charger, faster and more convenient.



1600

1600 mAh
Longer standby time.



Small Amplitude, Strong Power
Mute ultrasonic technology, Small amplitude but strong power, more stable and less noisy during working.

LED

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



Tips Meet More Root Canal Situation Requirement
3TIPS/E98 ; 3TIPS/EL96

Obturation System Down Pack

MODEL

eHeater



Heating area
Heating area, end of heating needle (about 4-5 mm)



2s to 200°C
The temperature rises instantaneously in 2 seconds, no waiting, quick cuts.



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



Working Continuous 10s
Work continuously for 10 seconds then stop heating, to avoid heating long time burning gums.



Front Light
The LED light gives a better view inside oral activity.



Wireless Control (Optional)
Wireless foot control, reducing operation difficulty of the dentist.



2600 mAh
Longer standby time.

MODEL
Wispex

Apex locator



HD

High resolution



Advanced
dual-frequency tech



High accuracy in
wet&dry canals



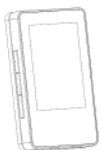
Adjustable
reference position



Auto calibration



Specification:



Main Unit



Power Adaptor



USB Cable



Operation Manual



Measuring Cable



File Clips *3



Lip Hooks *3

Weight:
85g

Dimensions: 94mm (length)*60mm (width)*13mm (height)

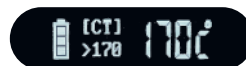
Obturation System Backfill

MODEL

eFiller

Adjustable Temperature

Wider temperature range, adapt to more gutta percha points on the market.



100°C 120°C 140°C
170°C 200°C 230°C



Ergonomic design

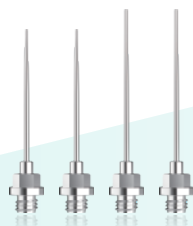
Balanced and comfortable hand feeling

2600

2600mAh
Longer standby time

Four working tips available

2 tips / 23G
2 tips / 25G



14s

Rapid heating

It only takes 14 seconds to quickly melt the gutta percha point, which reduces the warm-up waiting time.



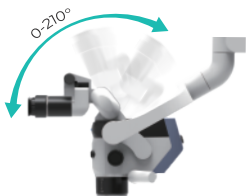
Fanta Surgical Microscope

MCS 3000A

Foldable eyepiece barrel

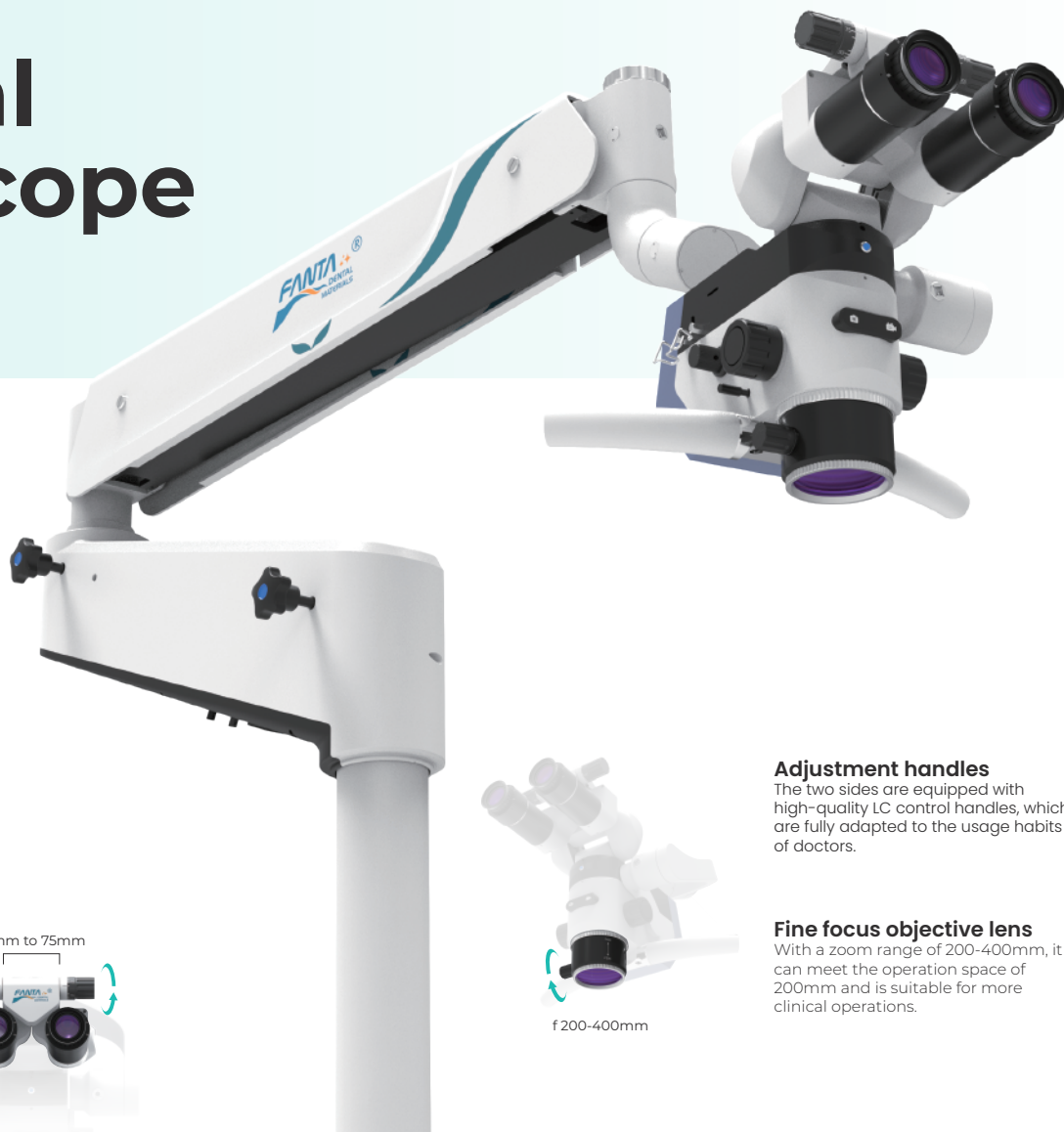
The variable angle eyepiece barrel with a range of 0-210° is designed according to ergonomics, providing a comfortable working position for doctors.

The elongated binocular eyepiece barrel reduces the forward leaning of the operator and increases the space for operations under the microscope.



Pupil distance adjustment

With a brand new design, the pupil distance can be adjusted from 55mm to 75mm, and the pupil distance can be accurately adjusted through the two knobs at both ends.



Adjustment handles

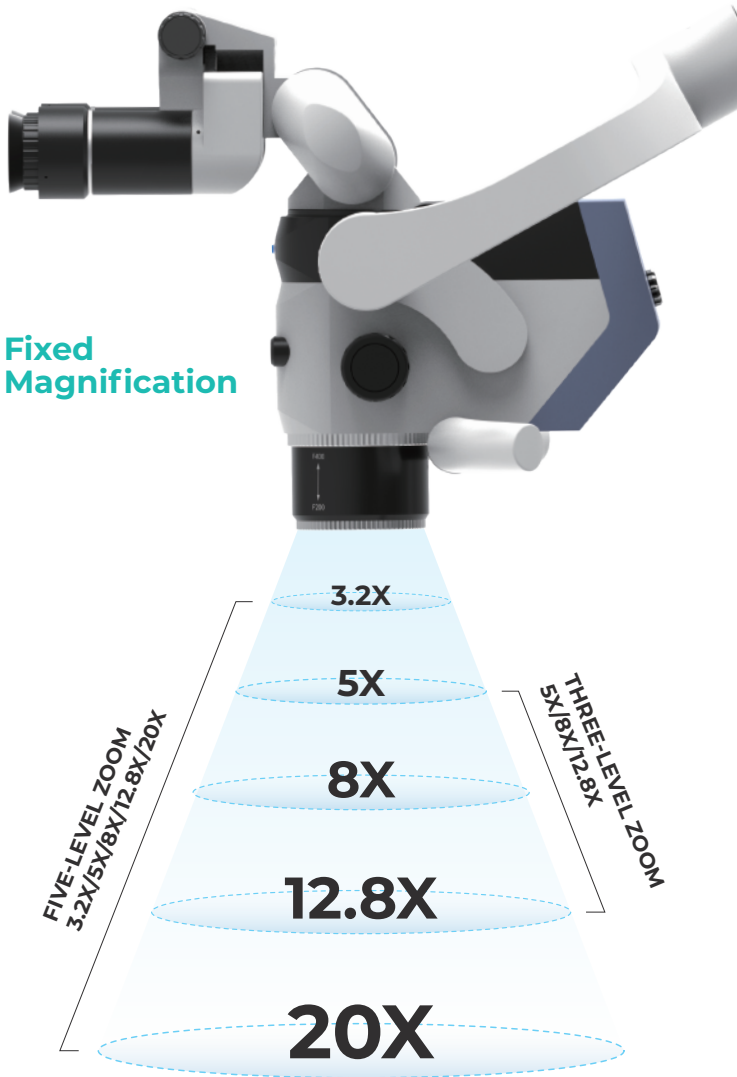
The two sides are equipped with high-quality LC control handles, which are fully adapted to the usage habits of doctors.



Fine focus objective lens

With a zoom range of 200-400mm, it can meet the operation space of 200mm and is suitable for more clinical operations.

Fixed Magnification



200mm ultra-large zoom range



Optional magnification zoom 3.2X/5X/8X/12.8X/20X

Low magnification: wide field of view, high brightness, seeing the overall situation (positioning view)
Medium magnification: most operations are completed at this magnification (application)
High magnification: observation of fine anatomical structures.



Built-in high-definition imaging system

Based on SONY's high-end image sensor, with a maximum resolution of 1920*1080. It supports 30FPS frame rate display and video recording.

Nano silver ion antibacterial coating

The entire body of the microscope is coated with a permanent nano silver ion coating for added protection, which can further maintain the hygiene of the microscope surface and reduce the attachment of pathogens, meeting the requirements of outpatient infection control.

Principle of nano silver ion sterilization:

Positively charged silver ions adsorb to negatively charged microbial cells upon contact. Silver ions pierce the outer surface of cells, damaging their DNA and inhibiting protein formation, causing the cells to be unable to metabolize and reproduce, leading to their death, thus achieving sterilization. After the cells lose their activity, the silver ions continue to have antibacterial effects, with sustained antibacterial efficacy, without toxicity or side effects.



Customized mounting brackets available:
Ceiling mount and Table plate

MCS 3000B

4K monitor available for choice



C-Handle®


- Compatible with Manual Files
- Convenient and Practical
- Autoclavable Sterilization
- Long Handle Design for Expanding Field of View
- Incorporating Apex Locator at the Top with Connectivity
- Comfortable Holder
- Frosted Design

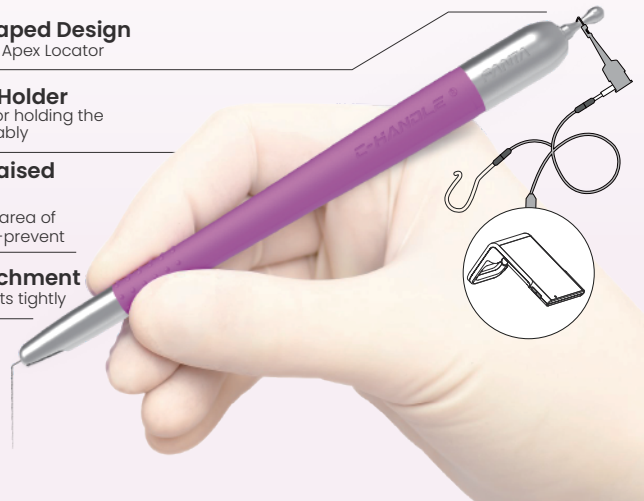


 **Slim-Waist Shaped Design**
Easy to connect the Apex Locator

 **Pen-grasping Holder**
Ergonomic design for holding the instrument comfortably

 **Non-slipped Raised Dots Design**
Enlarge the surface area of contacting for drop-prevent

 **Snap ring attachment**
Fix up the instruments tightly



Matched Products with C-Handle



K File

C File



Apex locator

Practical Cases:

Compatible with C Files for locating the orifice canal;
Adapted with small-size hand files and Apex Locator for determining the working length;
Convenient for recapitulation in between files;
Auxiliary attachment for finishing obturation employed plugger and spreader.

SINGLE SIZE

CODING

C-HANDLE	CHC11	●
C-HANDLE	CHC21	○

Irrigation Needle

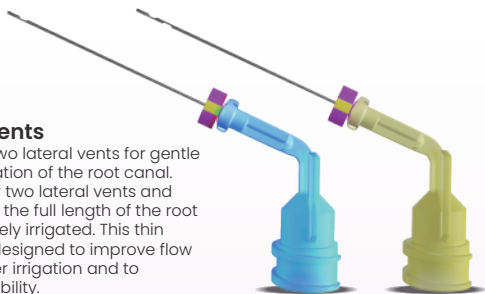
- Thin Wall
- Two lateral vents
- Closed front-end
- Rounded tip
- Free of burrs



Double Side Port Needle Tips
Side Port Ensures Excellent Irrigation

Two lateral vents

The Needle with two lateral vents for gentle but effective irrigation of the root canal. Special design for two lateral vents and rounded end that the full length of the root canal may be safely irrigated. This thin walled needle is designed to improve flow rate, to offer better irrigation and to provide more flexibility.



Note:



1. Pay attention to the crystal in flashing fluid to block irrigation needle, washing needle with clear water or washing plugging needle with ultrasonic.
2. Suitable for curved root canal, pre-bend needle in advance.

Endo Training Tooth

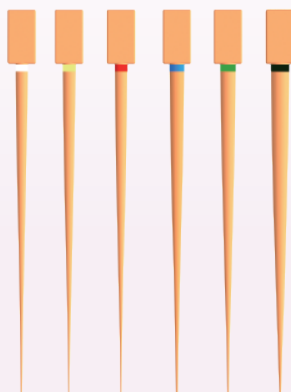
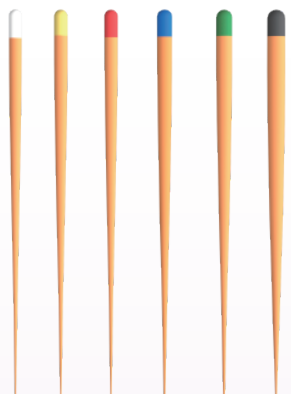
- Tooth Training Model
- 3D Printed Technology
- All-around Transparent Design
- Various options of tooth anatomy



PRODUCT NAME	SPECIFICATION	PN	QUANTITY
Training Tooth Model	Transparent, L6 canal	ETC0L6	10pcs/pack
Training Tooth Model	Transparent, L6 curved canal	ETC0L6C	10pcs/pack
Training Tooth Model	Transparent, U6 canal	ETC0U6	10pcs/pack

Gutta Percha

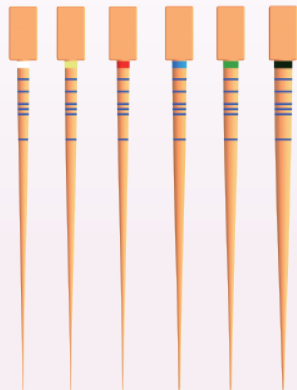
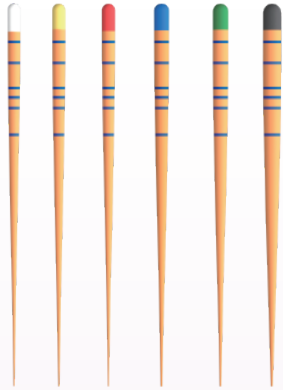
- Suitable for the endo files system
- Great bio-compatible under strict examination
- High radiopacity to observe the filling of root canals
- Good flexibility for available entrance into tiny and curved canals



Machine-made

GUTTA PERCHA (NO MARKED)			
SIZE	TAPER	SPECIFICATION	PIECE
#15	2%	Single	120
#20	2%	Single	120
#25	2%	Single	120
#30	2%	Single	120
#35	2%	Single	120
#40	2%	Single	120
#15-40	2%	Assorted	120
#45	2%	Single	120
#50	2%	Single	120
#55	2%	Single	120
#60	2%	Single	120
#70	2%	Single	120
#80	2%	Single	120
#45-80	2%	Assorted	120
#90	2%	Single	60
#100	2%	Single	60
#110	2%	Single	60
#120	2%	Single	60
#90-140	2%	Assorted	60
#15	4%,6%	Single	60
#20	4%,6%	Single	60
#25	4%,6%	Single	60
#30	4%,6%	Single	60
#35	4%,6%	Single	60
#40	4%,6%	Single	60
#15-40	4%,6%	Assorted	60
#45	4%,6%	Single	60
#50	4%,6%	Single	60
#55	4%,6%	Single	60
#60	4%,6%	Single	60
#70	4%,6%	Single	60
#80	4%,6%	Single	60
#45-80	4%,6%	Assorted	60
F		Single	100
FF		Single	100
FM		Single	100
MF		Single	100
Small		Single	60
Primary		Single	60
Medium		Single	60
Large		Single	60
Small+Primary+Medium+Large		Assorted	60
F1	VT	Single	60
F2	VT	Single	60
F3	VT	Single	60
F4	VT	Single	60
F5	VT	Single	60
F1-F3	VT	Assorted	60
F1-F5	VT	Assorted	60
F1+(F2+F2)+F3+F4+F5	VT	Assorted	60
R25		Single	60
R40		Single	60
R50		Single	60
RISING R2		Single	60
RISING R3		Single	60
RISING R4		Single	60
RISING R2+R3+R4		Assorted	60

MACHINE-MADE GUTTA PERCHA (NO MARKED)			
SIZE	TAPER	SPECIFICATION	PIECE
#20	2%	Single	120
#25	2%	Single	120
#30	2%	Single	120
#35	2%	Single	120
#40	2%	Single	120
#20	4%	Single	60
#25	4%	Single	60
#30	4%	Single	60
#35	4%	Single	60
#40	4%	Single	60
#20	6%	Single	60
#25	6%	Single	60
#30	6%	Single	60
#35	6%	Single	60
#40	6%	Single	60
F1	VT	Single	60
F2	VT	Single	60
F3	VT	Single	60
F1+F2+F3	VT	Assorted	60
#20*20+#25*40+#30*20+#35*50+#40*20	2%	Assorted	120
#20*10+#25*20+#30*10+#35*10+#40*10	4%	Assorted	60
#20*10+#25*20+#30*10+#35*10+#40*10	6%	Assorted	60



Machine-made with marked

Made of rubber, good plasticity, soften heated by 40°C, hardened after cooling, tightly packed, good tissue affinity, according to ISO standard, size can be rectified by the top's color, it can be easily taken out from the root canal.

The gutta-percha is placed with an adhesive cement to ensure complete sealing of the root canals. In most cases, a temporary filling is placed to close the opening.

Tips:

Tip finishing: Cutting with scalpel rather than sheer force, because the section of cutting is roundish, but the section of sheer is oblate. It's also can be used with professional trimmer.

GUTTA PERCHA(WITH MARKED)

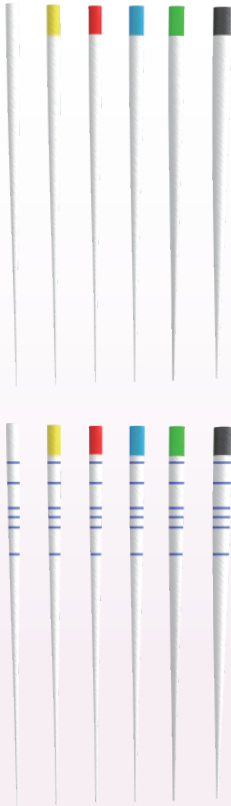
SIZE	TAPER	SPECIFICATION	PIECE
#15	2%	Single	120
#20	2%	Single	120
#25	2%	Single	120
#30	2%	Single	120
#35	2%	Single	120
#40	2%	Single	120
#15-40	2%	Assorted	120
#45	2%	Single	120
#50	2%	Single	120
#55	2%	Single	120
#60	2%	Single	120
#70	2%	Single	120
#80	2%	Single	120
#45-80	2%	Assorted	120
#90	2%	Single	60
#100	2%	Single	60
#110	2%	Single	60
#120	2%	Single	60
#90-140	2%	Assorted	60
#15	4%,6%	Single	60
#20	4%,6%	Single	60
#25	4%,6%	Single	60
#30	4%,6%	Single	60
#35	4%,6%	Single	60
#40	4%,6%	Single	60
#15-40	4%,6%	Assorted	60
#45	4%,6%	Single	60
#50	4%,6%	Single	60
#55	4%,6%	Single	60
#60	4%,6%	Single	60
#70	4%,6%	Single	60
#80	4%,6%	Single	60
#45-80	4%,6%	Assorted	60
MF		Single	100
Small		Single	60
Primary		Single	60
Medium		Single	60
Large		Single	60
Small+Primary+Medium+Large		Assorted	60
F1	VT	Single	60
F2	VT	Single	60
F3	VT	Single	60
F4	VT	Single	60
F5	VT	Single	60
F1-F3	VT	Assorted	60
F4-F5	VT	Assorted	60
F1+(F2+F2)+F3+F4+F5	VT	Assorted	60
R25		Single	60
R40		Single	60
R50		Single	60
RISING R2		Single	60
RISING R3		Single	60
RISING R4		Single	60
RISING R2+R3+R4		Assorted	60

MACHINE-MADE GUTTA PERCHA(WITH MARKED)

SIZE	TAPER	SPECIFICATION	PIECE
#20	2%	Single	120
#25	2%	Single	120
#30	2%	Single	120
#35	2%	Single	120
#40	2%	Single	120
#20	4%	Single	60
#25	4%	Single	60
#30	4%	Single	60
#35	4%	Single	60
#40	4%	Single	60
#20	6%	Single	60
#25	6%	Single	60
#30	6%	Single	60
#35	6%	Single	60
#40	6%	Single	60
F1	VT	Single	60
F2	VT	Single	60
F3	VT	Single	60
F1+F2+F3	VT	Assorted	60
#20*20+#25*40+#30*20+#35*20+#40*20	2%	Assorted	120
#20*10+#25*20+#30*10+#35*10+#40*10	4%	Assorted	60
#20*20+#25*20+#30*20	4%	Assorted	60
#20*10+#25*20+#30*10+#35*10+#40*10	6%	Assorted	60
#20*20+#25*20+#30*20	6%	Assorted	60

Paper Point

- Suitable for the endo files system
- Tapered design & Smooth surface
- Excellent absorbent



PAPER POINT (NO MARKED)			
SIZE	TAPER	SPECIFICATION	PIECE
#15	2%	Single	200
#20	2%	Single	200
#25	2%	Single	200
#30	2%	Single	200
#35	2%	Single	200
#40	2%	Single	200
#15-40	2%	Assorted	200
#45	2%	Single	200
#50	2%	Single	200
#55	2%	Single	200
#60	2%	Single	200
#70	2%	Single	200
#80	2%	Single	200
#45-80	2%	Assorted	200
#90	2%	Single	100
#100	2%	Single	100
#110	2%	Single	100
#120	2%	Single	100
#90-140	2%	Assorted	100
#15	4%,6%	Single	100
#20	4%,6%	Single	100
#25	4%,6%	Single	100
#30	4%,6%	Single	100
#35	4%,6%	Single	100
#40	4%,6%	Single	100
#15-40	4%,6%	Assorted	100
#45	4%,6%	Single	100
#50	4%,6%	Single	100
#55	4%,6%	Single	100
#60	4%,6%	Single	100
#70	4%,6%	Single	100
#80	4%,6%	Single	100
#45-80	4%,6%	Assorted	100
F1-F3	VT	Assorted	100
F1	VT	Single	100
F2	VT	Single	100
F3	VT	Single	100
F4	VT	Single	100
F5	VT	Single	100
F1+(F2+F2)+F3+F4+F5	VT	Assorted	100
R25		Single	100
R40		Single	100
R50		Single	100
RISING R2		Single	100
RISING R3		Single	100
RISING R4		Single	100
RISING R2+R3+R4		Assorted	100

PAPER POINT (WITH MARKED)			
SIZE	TAPER	SPECIFICATION	PIECE
#15	2%	Single	200
#20	2%	Single	200
#25	2%	Single	200
#30	2%	Single	200
#35	2%	Single	200
#40	2%	Single	200
#15-40	2%	Assorted	200
#45	2%	Single	200
#50	2%	Single	200
#55	2%	Single	200
#60	2%	Single	200
#70	2%	Single	200
#80	2%	Single	200
#45-80	2%	Assorted	200
#90	2%	Single	100
#100	2%	Single	100
#110	2%	Single	100
#120	2%	Single	100
#90-140	2%	Assorted	100
#15	4%,6%	Single	100
#20	4%,6%	Single	100
#25	4%,6%	Single	100
#30	4%,6%	Single	100
#35	4%,6%	Single	100
#40	4%,6%	Single	100
#15-40	4%,6%	Assorted	100
#45	4%,6%	Single	100
#50	4%,6%	Single	100
#55	4%,6%	Single	100
#60	4%,6%	Single	100
#70	4%,6%	Single	100
#80	4%,6%	Single	100
#45-80	4%,6%	Assorted	100
MF		Single	100
F1-F3	VT	Assorted	100
F1-F5	VT	Assorted	100
F1	VT	Single	100
F2	VT	Single	100
F3	VT	Single	100
F4	VT	Single	100
F5	VT	Single	100
F5	VT	Single	100
R25		Single	100
R40		Single	100
R50		Single	100
Small		Single	100
Primary		Single	100
Medium		Single	100
Large		Single	100
Small+Primary+Medium+Large		Assorted	100
RISING R2		Single	100
RISING R3		Single	100
RISING R4		Single	100
RISING R2+R3+R4		Assorted	100

Dental Retractors

The core technology of the product was developed by Peking University School of Stomatology

Utility Patent Number: ZL202410091495.7

Design Patent Number: ZL202430045174.4

Integrated Molding Process:

Ready to use immediately
Skips the need for assembly

TPU Material:

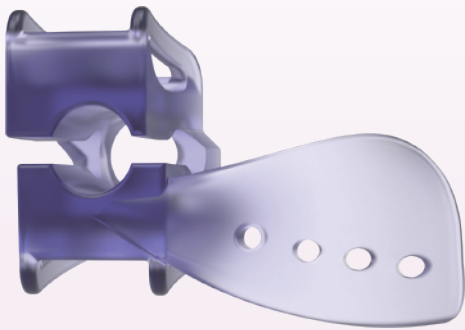
Seamless and easy to clean
Sterilized and safe

Spoon-shaped End Design:

Retracts soft tissues
Provides a clear surgical field

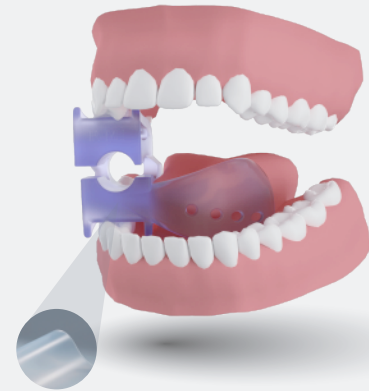
Multi-Model Option Available:

Comfortable occlusion fit
Smoother operation



Product Material

This product is made of TPU material, integrates of injection molding, and is capable of autoclave sterilization at 134°C. TPU is short for thermoplastic polyurethane. This material not only features stable chemical properties and high safety but also exhibits both the softness of rubber and the rigidity of hard plastics in its physical properties. It is widely used in fields such as automotive and medical—most clear aligner products, for example, are made of this material. Owing to its excellent performance, it can be sterilized under high-temperature (134°C) and high-pressure conditions. Meanwhile, to further enhance safety, the product adopts integration of injection molding process, which minimizes sanitary dead zone to the greatest extent, making cleaning and disinfection simpler and more effective.



Product Features

Exposed affected tooth area vision, with a slot for saliva ejector insertion

1. It can support the patient's mouth opening while having a tongue-blocking function. During oral treatment, when the patient needs to open their mouth for a long time, the doctor needs to consider the patient's fatigue from mouth opening and provide a "bite pad" to relieve the patient's mouth opening pressure. However, the natural peristalsis of the patient's tongue often interferes with the doctor's normal operation. This product has both a bite support function and a tongue-blocking function, protecting the patient's tongue while ensuring that the doctor's operation vision is not interfered with;
2. This product is equipped with a slot for saliva ejector insertion. During treatment, the doctor can insert the tube into the slot provided by this product, which can greatly reduce the assistant's frequent ejecting actions and improve the convenience of the doctor's operation.



Model Configurations

This product is available in three sizes: L, M, and S, corresponding to large, medium, and small mouth openings, respectively. The Medium size is suitable for most people with normal mouth opening, while the Large size is designed for individuals with a larger mouth opening. The Small size is primarily intended for pediatric use. Additionally, this product is sold in left-right pairs. For lesions on the left side, use the right occlusal product; for lesions on the right side, use the left occlusal product.

SIZE	LEFT	RIGHT	
Small	SL	SR	Pediatric use or The person with a smaller mouth opening
Medium	ML	MR	Most people with normal mouth opening
Large	LL	LR	Individuals with a larger mouth opening

Instructions for use

Confirm the location of the patient's affected tooth. If the affected tooth is on the left side of the patient, select the product marked with "right"; ensure the "right" character faces the medical staff directly. Place the sterilized product on the right side of the patient's dental arch and have the patient bite down. Similarly, if the affected tooth is on the right side, select the product marked with "left"; ensure the "left" character faces the medical staff directly. Place the sterilized product on the left side of the patient's dental arch and have the patient bite down. The tube slot can be used or not based on actual clinical needs.



Professional Kit

Endodontic Broken File Retrieval Kit

The core technology of the product was developed by Beijing Stomatological Hospital, Capital Medical University

Patent Number: ZL202110144717.3

Visualize · Minimally-Invasive · Efficient



Classic Kit



Standard Kit





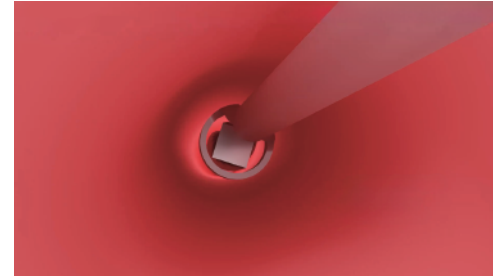
Broken File Retrieval (BFR) Pen

Crocodile Jaw Structure + Window-Type Visualization Design:
0.6/0.8/1.0/1.2 mm



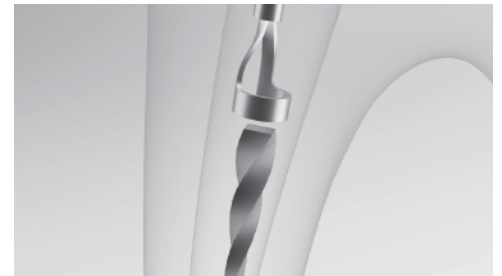
Visualization: Micro-tubular design ensures clear surgical field visibility, eliminating blind maneuvers.

With traditional instruments, the practitioner often faces restricted visibility due to structural obstructions, leading to blurred surgical fields and incomplete observation of the entire procedure. This is particularly critical during the fractured file retrieval phase, where reliance on tactile sensation and experience for "blind maneuvers" not only demands exceptional technical skill but also increases operational risks due to limited visibility. This product revolutionizes visibility through its innovative micro-tubular design, eliminating visual obstructions entirely. The practitioner gains real-time, unobstructed observation of the fractured file's position, alignment angles, and subtle procedural adjustments. By replacing subjective "feel" with objective visualization, the device significantly reduces operational complexity while enabling precise, controlled movements. This advancement ensures safer, more efficient procedures and enhances procedural safety for both clinicians and patients.



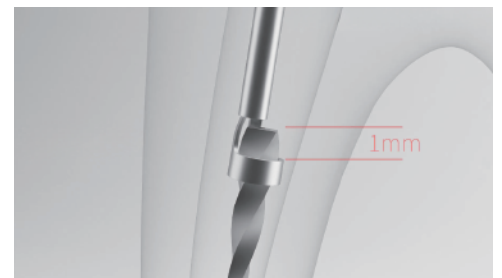
Minimally Invasive Design: Anchoring Locking Mechanism enables capture with only 1mm of exposed fracture segment, minimizing dentin wall removal.

The device operates exclusively along the root canal axis without requiring lateral workspace. Compared to traditional instruments, this innovation drastically reduces dentin removal during fracture segment exposure. Notably, its proprietary Anchoring Locking Technology achieves secure fixation with minimal fracture segment exposure, combining pathway optimization and locking precision to eliminate unnecessary dentin loss.



Effective: Cross-structured design ensures secure clamping, minimizing slippage during extraction.

In instrument separation and retrieval surgery, instrument slippage when extracting broken files is a common and challenging clinical issue—it may not only prolong surgery time but also increase operational risks. Traditional instruments mainly rely on the frictional force between the broken file and the sleeve for fixation. In contrast, this product innovatively adopts a cross-structured design, generating stronger locking force through precise clamping action. Compared to the traditional friction-based fixation method, this structure provides a firmer grip, effectively avoiding slippage during extraction. It significantly improves the success rate of the surgery, offering reliable assurance for efficient and safe broken file retrieval.



PRECAUTIONS



As shown in the figure, hold the instrument and tighten it with the index finger and thumb of the left hand until tightened;



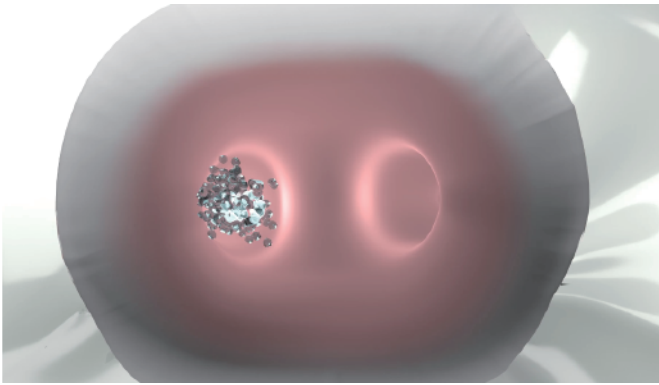
The two marking points are aligned, indicating proper installation. If not installed properly, the instrument's function will be limited and it cannot be operated.



Absorbent Pen

Simple and Effective

When instrument separation occurs, the root canal interior is often accompanied by a large amount of dentin debris. The middle and lower segments of the root canal are often difficult to rinse thoroughly, and residual liquid is also hard to remove, which obstructs our view when observing the broken file. An absorbent pen can be used to suction residual liquid inside the root canal. After rinsing the pulp chamber and root canal, using the absorbent pen to suction the liquid in the pulp chamber and root canal can quickly remove the liquid in the pulp chamber and root canal, including effective removal of liquid in the middle and lower segments of the root canal, thereby ensuring a clear surgical field. This product is simple to operate and has obvious effects.



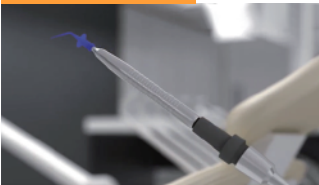
Magnetic Pen

Strong Magnetism, Convenient

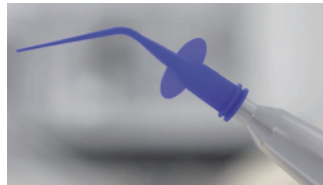
During the surgery for retrieving separated instruments, when a free broken file is found, it needs to be retrieved promptly; otherwise, the broken file will flow around with the irrigation fluid, increasing the surgical risk. Due to interference from water tension and fluidity, traditional grasping and retrieval methods face certain difficulties. This product uses permanent magnet material, with a magnetic conductor at the front end, to retrieve broken stainless steel instruments in the root canal under magnetic force, avoiding excessive cutting and grinding of the dentin wall, saving time for retrieving the broken instrument, reducing operational risks, and ensuring the fracture resistance of the affected tooth.



PRECAUTIONS



Simply connect one end to the dental chair's strong suction tube;



Can be autoclaved at 134°C high temperature and high pressure.

PRECAUTIONS



After insertion, gently rotate until hearing a "click" sound, indicating proper installation;



The head can be sterilized by high-temperature and high-pressure autoclaving at 134°C; the shaft cannot be sterilized and should be wiped with alcohol.

FANTA BURS



Diamond Burs Technology

Comprehensive Selection

With 1096 bur variants, the full model range addresses diverse clinical demands, ensuring the right tool for every procedure.

Sustained Sharpness

Incorporates self-sharpening ultra-hard diamond grains and a 4-layer electroplating process, delivering consistent cutting efficiency and durability.

Full-Body Precision Machining

High-precision machinery turns the entire bur body with tolerances as tight as 0.003mm, enhancing coaxial alignment and minimizing radial runout. This results in a smoother grinding surface during clinical use.

Enhanced Hardness via Heat Treatment

Fanta's proprietary heat treatment technology rearranges the stainless steel's crystal structure, increasing hardness from 200HV to 500-780HV. This upgrade reinforces the bur's strength and stability in clinical applications.

Mirror Polishing for Lasting Quality

Each bur undergoes meticulous polishing to reduce surface oxidation. This ensures the tool retains its metallic luster and resists discoloration, even after repeated sterilization cycles.

Advanced Diamond Selection & Electroplating

Only rigorously tested diamonds are bonded using multi-layer electroplating. This guarantees optimal self-sharpening performance, where fresh, sharp edges are continuously exposed during grinding—maintaining both sharpness and wear resistance over time.



Diamond Burs

Maximum Allowable Speed

CA16,000min ⁻¹	CA30,000min ⁻¹
90,000min ⁻¹	160,000min ⁻¹
300,000min ⁻¹	450,000min ⁻¹

	Taper Flat		Taper Flat		Taper Flat		Taper Flat		Taper Flat		Taper Flat		Taper Flat	
	0.54	0.76	0.6	0.6	0.75	0.94	0.94	1.25						
	10.00 24.0 014	10.00 21.5 016	10.00 21.5 016	10.00 21.5 016	10.00 20.0 016	10.00 24.0 018	10.00 24.0 018	10.00 24.0 018	9.00 21.5 023					
	Product Code	TF-11	TF-12	TF-12EF	TF-12F	TF-12VC	TF-13	TF-13C	TF-14					
Working Tip	0.85	0.9	0.9	0.9	1.5	1.5	1.2	1.12	1.12	0.74	0.8	0.97		
Working Length	7.00	7.00	7.00	7.00	5.50	5.50	5.00	4.50	4.50	4.00	4.00	4.00		
Overall Length	21.0	21.0	21.0	21.0	19.0	19.0	20.0	19.0	19.0	19.0	19.0	19.0		
ISO Diameter	014	016	016	016	021	021	018	016	016	011	012	014		
Product Code	TF-20	TF-21	TF-21EF	TF-21F	TF-22	TF-22VC	TF-23	TF-31	TF-31VC	TF-41	TF-42	TF-43		
Working Tip	0.76	0.85	0.9	1.65	1.2	1.12	0.74	1.15 ★		Taper Round	0.63	0.4		
Working Length	10.00	7.00	7.00	5.50	5.00	4.50	4.00	4.50	10.0		10.00	10.00		
Overall Length	20.0	19.0	19.0	16.5	16.5	16.5	16.5	14.5	24.0		21.5	21.5		
ISO Diameter	016	014	016	021	018	016	011	016	019		014	014		
Product Code	TF-S12	TF-S20	TF-S21	TF-S22	TF-S23	TF-S31	TF-S41	TF-SS31(EX-SS33)	TFR-15	Product Code	TR-11	TR-11EF		
Working Tip	0.4	0.76	0.97	0.97	0.97	0.97	1.04	1.2	1.22	1.22	0.85	1.00		
Working Length	10.00	10.00	9.00	9.00	9.00	9.00	9.00	9.00	11.50	11.50	7.00	7.00		
Overall Length	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	24.0	24.0	21.0	21.0		
ISO Diameter	014	016	018	018	018	018	018	022	022	024	014	016		
Product Code	TR-11F	TR-12(TR-25)	TR-13	TR-13C	TR-13EF	TR-13F	TR-13VC	TR-14	TR-15	TR-19	TR-20	TR-21		
Working Tip	1.06	1.06	0.93	1.2	0.82	0.82	1.2	1.16	1.16	1.2	0.97	1.2		
Working Length	7.00	7.00	7.00	7.00	10.00	10.00	8.50	8.50	8.50	7.00	9.00	9.00		
Overall Length	21.0	21.0	21.0	21.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5		
ISO Diameter	016	016	016	018	016	016	018	018	018	018	019	022		
Product Code	TR-21EF	TR-21F	TR-21VC	TR-24(RS-21)	TR-25EF	TR-25F	TR-26	TR-26EF	TR-26F	TR-62C	TR-S13	TR-S14		
Working Tip	1.01	0.93	0.93	Inlay Bur	1.11	1.27	Double Taper	1.25	1.32	1.75	Shoulder Preparation	0.40		
Working Length	9.00	7.00	7.00	7.00	7.00	4.50	4.50	5.00	5.00	7.00	7.00	21.0		
Overall Length	21.5	19.0	18.0	18.0	21.0	19.0	19.0	19.0	19.0	20.0	20.0	21.0		
ISO Diameter	022	016	016	016	018	018	018	032	032	035	035	012		
Product Code	TR-S14EF	TR-S21	TR-SS21	Product Code	TFR-S2(RS-21)	TFR-S3(RS-31)	Product Code	EX-11	EX-11VC	EX-12	Product Code	EX-18F		
Working Tip														
Working Length	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		
Overall Length	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0		
ISO Diameter	018	021	021	021	021	021	021	032	032	012	018	014		
Product Code	EX-20	EX-21	EX-21EF	EX-21F	EX-21VC	EX-17(EX-24)	EX-26	EX-26VC	EX-12B(EX-27EF)	TF-28F(EX-29EF)	EX-31	EX-31F		
Working Tip														
Working Length	3.50	2.00	3.00	6.00	6.00	6.00	6.00	6.00	4.50	10.00	10.00	10.00		
Overall Length	19.0	19.0	19.0	16.5	16.5	16.5	16.5	16.5	14.5	22.0	22.0	22.0		
ISO Diameter	016	023	010	014	014	015	015	015	016	014	016	016		
Product Code	SR-4SEF(EX-36EF)	ROS-13EF(EX-37EF)	EX-41	TR-SS20(EX-SS13)	TR-SS21EF(EX-SS13EF)	TR-SS22(EX-SS14)	TR-SS30EF(EX-SS14EF)	TR-SS31EF(EX-SS14EF)	Product Code	TC-11	TC-11C	TC-11EF		
Working Tip														
Working Length	10.00	10.00	10.00	8.00	8.00	8.00	6.00	8.00	8.00	8.00	1.50	1.50		
Overall Length	22.0	22.0	24.0	22.0	22.0	22.0	21.0	21.0	21.0	18.5	19.0	19.0		
ISO Diameter	016	016	018	014	014	014	012	014	014	014	018	018		
Product Code	TC-11F	TC-11VC	TC-16	TC-21	TC-21EF	TC-21F	TC-26	TC-SS21	TC-SS21F	Product Code	BR-31	BR-31C		
Working Tip														
Working Length	1.30	1.30	1.05	0.65	0.85	0.48	0.55	0.65	0.85	0.85	2.20	2.20		
Overall Length	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0		
ISO Diameter	016	016	016	010	010	006	008	010	012	012	018	014		
Product Code	BR-40	BR-40EF	BR-41	BR-45	BR-46	BR-48F	BR-49	BR-S45	BR-S46	Product Code	BC-31	BC-42		
Working Tip														
Working Length	2.20	2.20	2.20	Flame	10.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00		
Overall Length	19.0	16.5	16.5		24.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0		
ISO Diameter	012	014	012		012	012	014	014	014	014	016	016		
Product Code	BC-43	BC-S42	BC-S43	Product Code	FO-11	FO-20EF	FO-21	TF-22EF(FO-21EF)	FO-21F	TF-24(FO-22)	FO-22EF	FO-22F		

Diamond Burs

Working Tip													
Working Length	5.00	5.00	5.00	3.00	3.00	4.00	4.00	4.50	6.00	7.50	9.50	8.00	
Overall Length	19.0	19.0	19.0	19.0	19.0	19.0	19.0	24.0	19.0	22.0	21.0	18.0	
ISO/Diameter	028	032	032	014	014	018	018	009	009	010	019	014	
Product Code	FO-25	FO-27	FO-27VC	FO-30EF	FO-30F	FO-32	FO-32C	ZT-09EF(FO-40EF)	ZT-18E(FO-41EF)	TT-20E(FO-42EF)	ZC-S19(FO-54C)	TT-S24(FO-S21)	
Working Tip			Straight Flat								Straight Cone		
Working Length	9.50	8.00		8.00	8.00	8.00	8.00	6.00	4.50	4.00		6.00	
Overall Length	20.0	18.0		22.0	22.0	22.0	22.0	21.0	19.0	19.0		21.0	
ISO/Diameter	019	014		012	014	014	016	014	014	010		012	
Product Code	ZC-S19(FO-54C)	TT-S24(FO-S21)	Product Code	SF-11	SF-12	SF-12C	SF-13	SF-21	SF-31	SF-41	Product Code	SO-20	
Working Tip			Straight Rough										
Working Length	8.00	6.00		8.00	8.00	8.00	8.00	8.00	0.65	0.85	1.05	1.05	
Overall Length	22.0	18.5		22.0	22.0	22.0	22.0	22.0	19.0	19.0	19.0	19.0	
ISO/Diameter	014	012		012	012	014	016	016	010	012	014	014	
Product Code	SO-21	TT-S12(SO-S20)	Product Code	SR-11	SR-11VC	SR-12	SR-13	SR-13VC	Product Code	SI-45	SI-46	SI-47	SI-47C
Working Tip				Tight Inverted Cone									
Working Length	1.30	0.85	1.30		2.20	2.20	2.20	2.20	2.20	0.50	2.30	3.50	
Overall Length	19.0	16.5	16.5		19.0	19.0	16.5	16.5	16.5	0.07	0.07	0.07	
ISO/Diameter	016	012	016		012	014	012	012	012	007	007	007	
Product Code	SI-48	SI-S46	SI-S48	Product Code	DI-41	DI-42	DI-S41	DI-SS41	Product Code	BR-SS0F(CD-50F)	SR-S07F(CD-51F)	SR-S30F(CD-52F)	
Working Tip													
Working Length	2.50	1.20	4.00	0.7	2.30	3.50	3.00	2.20	1.08	0.47	1.31		
Overall Length	16.5	16.5	16.5	0.13	19.0	19.0	19.0	16.5	9.00	21.5	5.50		
ISO/Diameter	007	008	009	013	007	007	009	009	021	020	020		
Product Code	ZT-S007F(CD-53F)	JT-S09F(CD-55F)	SF-S09F(CD-58F)	TR-S21F(CD-59F)	SR-31F(CD-60F)	SR-32F(CD-61F)	SF-09F(CD-62F)(M-40F)	SR-S18(CD-SS51)	Product Code	TFR-S15F(CE-12F)	TF-23EF(CE-13EF)	TFR-59F(CE-13F)	
Working Tip													
Working Length	5.00	5.00	9.00	0.76	9.00	8.00	1.45	1.45	0.91	0.91	0.64	0.66	
Overall Length	19.0	19.0	21.5	0.18	22.0	22.0	19.0	19.0	4.00	4.00	7.00	8.00	
ISO/Diameter	026	026	016	018	011	018	020	020	014	014	012	012	
Product Code	FO-16EF(CE-15EF)	FO-16F(CE-15F)	TR-12EF(CE-16EF)	TR-S13F(CE-16F)	TFR-66F(CE-17F)	Product Code	TR-24EF(CR-11EF)	TR-24F(CR-11F)	TR-31EF(CR-12EF)	TR-32F(CR-12F)	TR-20F(CR-21F)	TR-33F(CR-22F)	
Working Tip	Minimally Invasive				Wheel Shape								
Working Length		0.65	2.00	3.50		0.60	0.60	0.60	0.60	0.50			
Overall Length		19.0	19.0	19.0		19.0	19.0	19.0	16.5	19.0			
ISO/Diameter		010	007	007		042	042	042	016	024			
Product Code	Product Code	BR-45F(MI-45F)	ZT-007F(MI-53F)	SR-07F(MI-61F)	Product Code	WR-13	WR-13C	WR-13VC	WR-S31F	WR-08(WF-30)			

Illustrated Diamond Bur

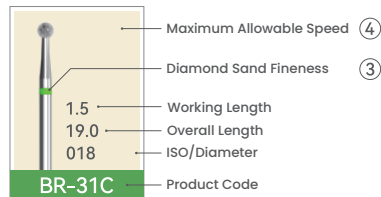


(EX-SS33, EX-SS38,
EX-SS33EF, EX-38EF)

Dental Bur Model Code

TR-S14EF

① ② ③



① Working Shape



② Handle Length: s (Short) SS (Extra Short)

③ Diamond Sand Fineness

Coarse(C)	/125-150 μ
Fine(F)	/53-63 μ
Standard(S)	/106-125 μ
Extra Fine(EF)	/20-30 μ
Super Coarse(SC)	/180-212 μ

④ Maximum Allowable Speed

450,000min ⁻¹	90,000min ⁻¹
300,000min ⁻¹	CA30,000min ⁻¹
160,000min ⁻¹	CA16,000min ⁻¹

Featured models are listed here, refer to the brochure for the full range



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