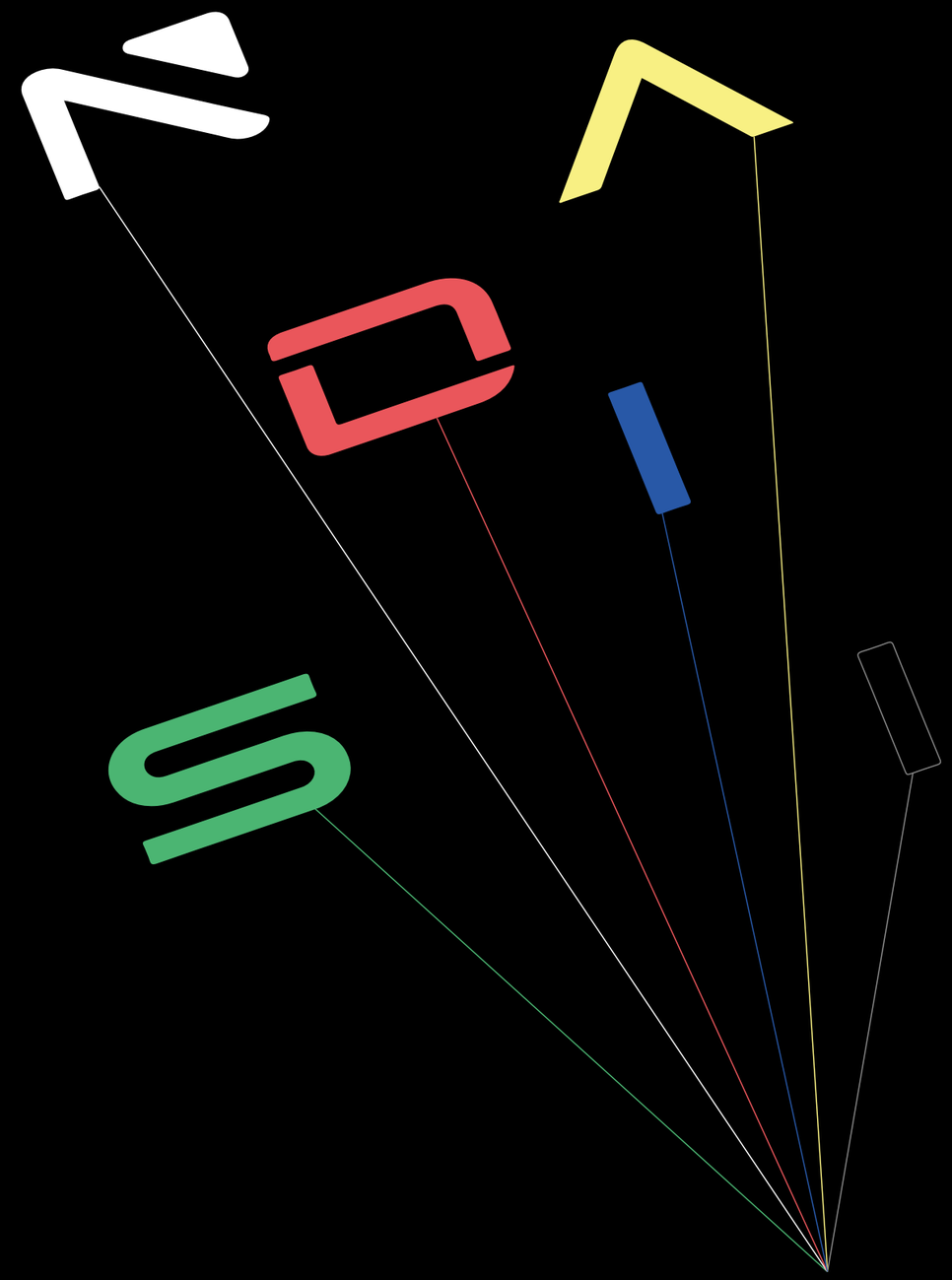
NADISI

Hengfeng Kerui Medical Equipment



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NADISI

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ABOUT US

Company Overview:

SHANDONG HENGFENG KERUI MEDICAL EQUIPMENT CO.,LTD is a leading manufacturer of high-quality endodontic products, focusing on innovative and reliable solutions for root canal treatments. With extensive dental industry experience, we are a trusted global partner for dental professionals.

Our product range includes:

Endodontic Files:
Our files ensure precise cleaning and shaping of the root canal system, made from premium materials for durability, flexibility, and optimal performance.

Gutta Percha Points:
We provide various gutta-percha points for effective root canal sealing, ensuring secure and long-lasting fillings.

Root Canal Sealers:
Our sealers offer excellent adhesion and biocompatibility, contributing to successful endodontic treatments.

At HENGFENG KERUI, we are dedicated to advancing endodontics through continuous innovation and maintaining high-quality standards in our products, supporting dental professionals in providing optimal patient care.

NADISI

Gates Drills

Used to open canal orifices and shape straight canal sections.

Size

G1	G2	G3	G4	G5	G6
050	070	090	110	130	150

Material: SST
Package : 6 Pcs
Length : 28/32mm
Max speed : 800rpm

Features:

1. Long thin shaft with flame-shaped tip, short blades, and safe non-cutting tip.
2. Available in sizes 1-6, indicated by 1-6 rings on the shank.
3. Compatible with dental handpieces

Peeso Reamers

Used for removing filling materials and preparing post space in the upper canal.

Size

P1	P2	P3	P4	P5	P6
070	090	110	130	150	170

Material: SST
Package : 6 Pcs
Length : 28/32mm
Max speed : 1200rpm

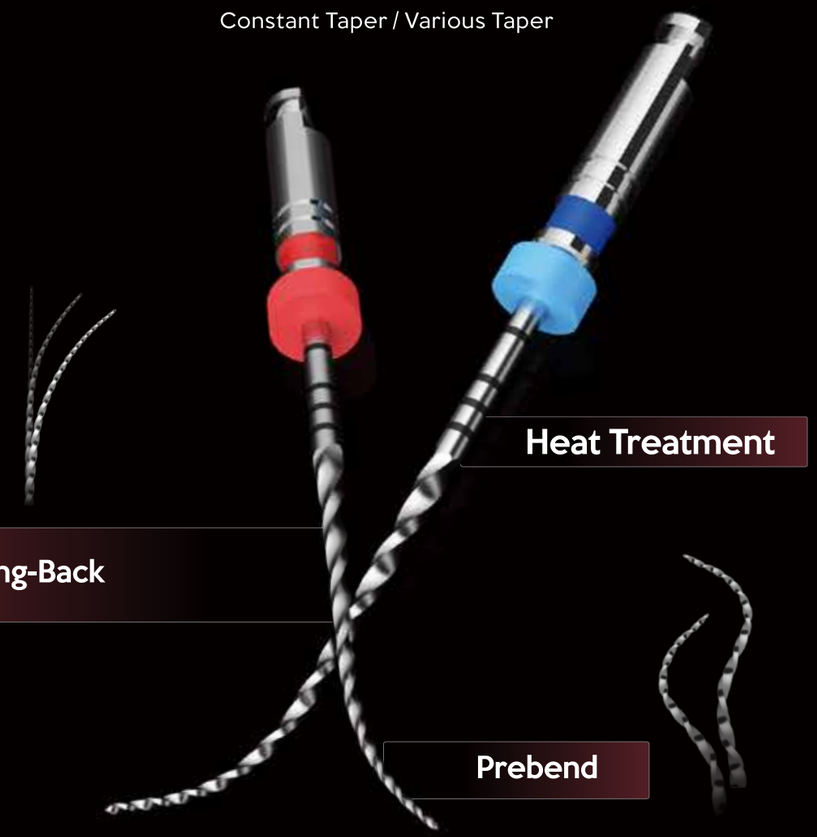
Features:

1. Long thin shaft with elongated flame-shaped tip and safe non-cutting end.
2. Available in sizes 1-6, marked with 1-6 rings on the shank.
3. Compatible with dental handpieces.

ProMaster

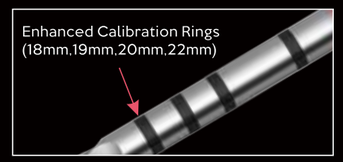
A set suitable for 80% of root canals, highly recommended

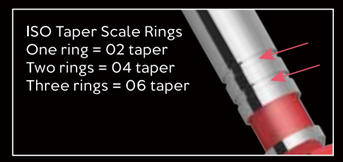
Constant Taper / Various Taper

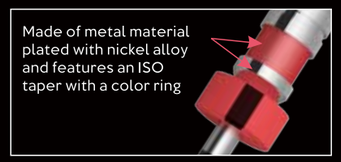


Features:

1. Manufactured using M-Wire NiTi alloy with silver and blue heat treatment, providing superior flexibility and cutting efficiency.
2. Progressive pitch desing reduces the screwing-in effect. Three different cross-sections: square (0-3mm), parallelogram (3-6mm), and rectangukar (6-17mm). Enhances cutting efficiency and debris elimination while maintaining safety.
3. the rounded tip adapts precisely to canal anatomy, ensuring safety and reliability.

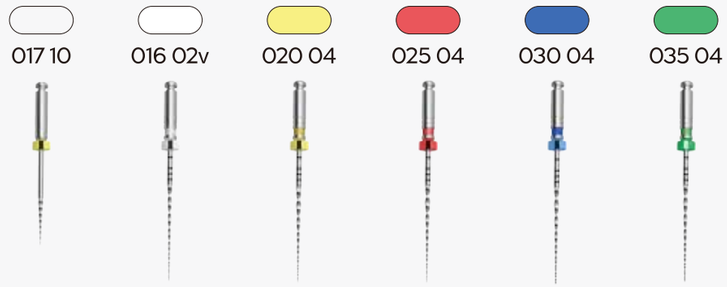




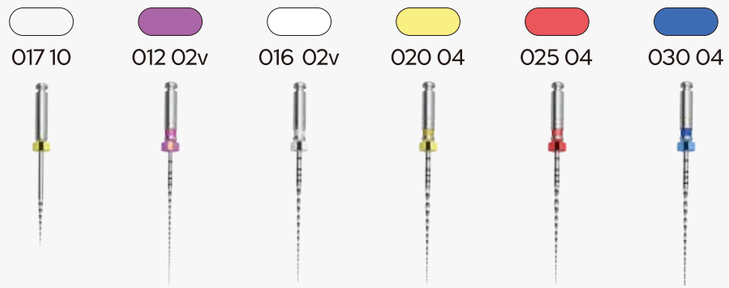


*Similar products are designed according to this specification

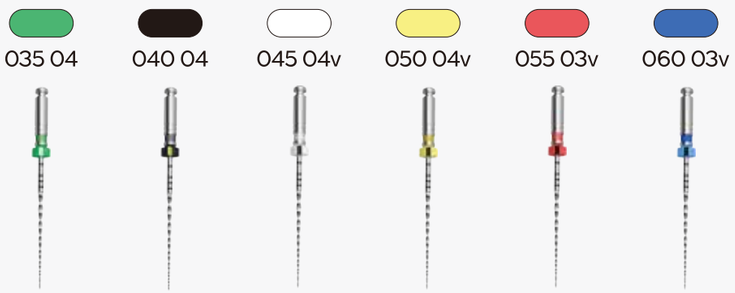
Regular root canal kit :

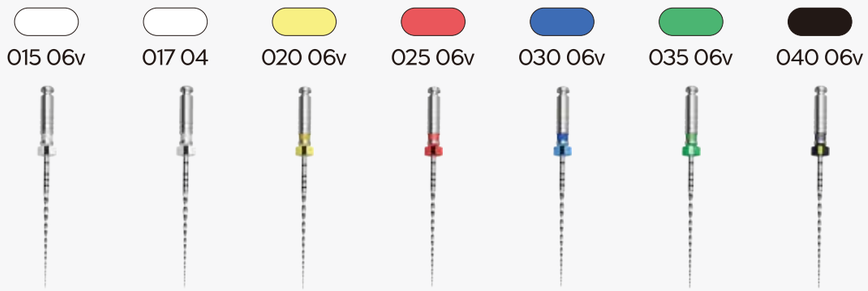


Curved root canal kit :



Large refill kit :





Speed : 300-400rpm	**Material :** NiTi		**Package :** 6 Pcs
Torque : Open Filer: 3.0N/cm	012: 1.5N/cm	016: 2.0N/cm	017-040: 2.0-4.5N/cm
Length : Open Filer: 17mm	Other: 21/25/31mm		**Sterilization :** ≤134°C
Cross Section :			

FlexCurve

Comparable to protaper,fixed taper .04/.06

Constant Taper

M-Wire NiTi shape memory alloy

Higher strength and wear resistance

Metallurgically treated with Blue Heat Treatment

Enhanced cutting efficiency

Material : NiTi

Package : 6 Pcs

Sterilization : ≤134℃

Size

	RA	RS	R1	R2	R3	R4	R5	R6	R7
	017 10	013 02	015 04	020 04	025 04	030 04	035 04	040 04	025 06

Speed :	300rpm				
Torque :	3.0N/cm	1.5N/cm	2.0N/cm	2.5N/cm	2.0N/cm
Length :	17mm	21/25/31mm			
Cross Section :					

Features:

1. Made from M-Wire NiTi alloy with blue heat treatment for enhanced flexibility, suitable for curved canals.
2. All orifice shapers have convex triangular cross-section to increase fatigue resistance while maintaining cutting efficiency.
3. Rounded tip adapts well to the canal anatomy, ensuring safety.
4. Instrument selection is tailored to clinical needs: 013/02 and 015/04 are suitable for different shapes and tapers; while 013/02 for curved molar canals, and 015/04 for general use. This designed improves efficiency while mantaining safety.

ES Files

High efficiency series

Constant Taper

Purple Heat Treatment

Asymmetrical Cross-sectional Design

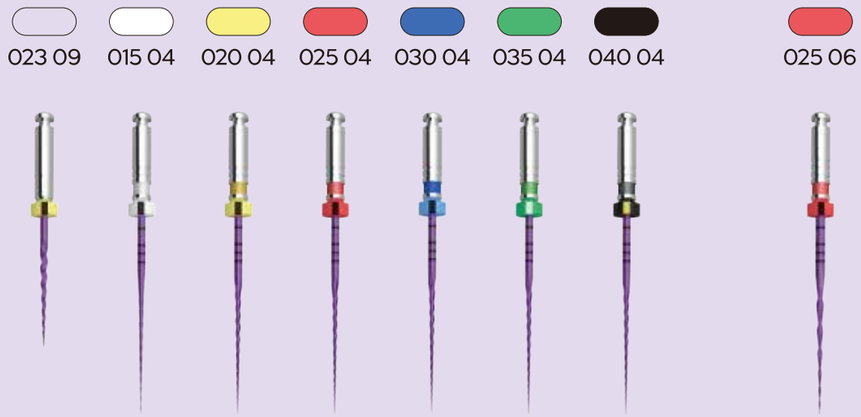
Safe And Reliable

Material : NiTi

Package : 6 Pcs

Sterilization : ≤134℃

Size



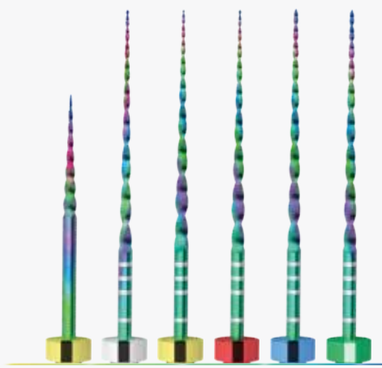
Speed :	300rpm			
Torque :	3.0N/cm	2.0N/cm	2.5N/cm	2.0N/cm
Length :	17mm	21/25/31mm		
Cross Section :				

Features:

1. Manufactured from M-Wire NiTi alloy with purple heat treatment. The Asymmetrical cross-sectional design provides sharp cutting action while minimizing the screwing-in effect.
2. Rounded tip adapts well to root canal anatomy, safe and reliable.

Nano-Rainbow Project

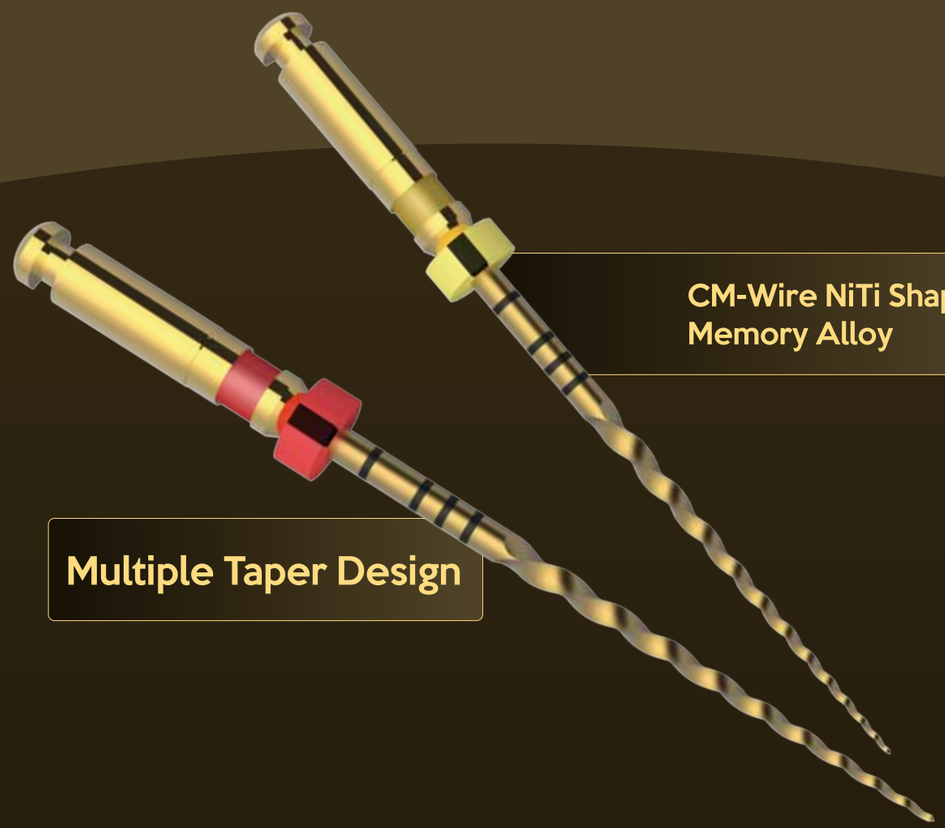
Nano-coated endodontic files offer smoother canal negotiation, reduced friction, improved fatigue resistance, and more consistent cutting performance, while maintaining the original file design.



Item	Normal Files	Nano-Coated Files
Surface roughness	Higher	Smoother surface
Friction	Normal	Significantly reduced
Fatigue resistance	Basic	Improved
Cutting durability	Degrades easily	More stable over time
Chemical resistance	Standard	Improved
Impact on file design	None	Minimal to none

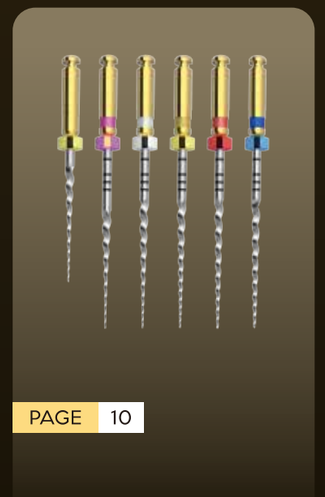
Super File

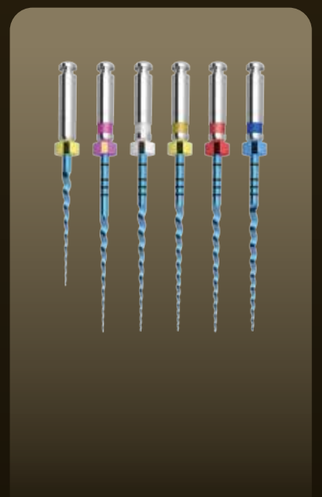
Silver/Gold/Blue/Purple

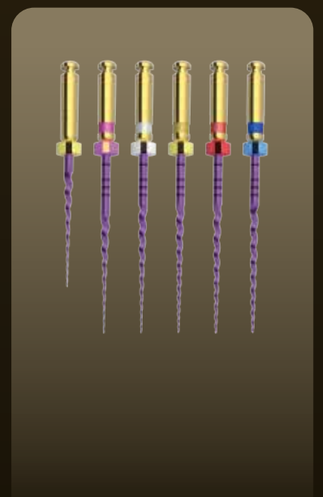


CM-Wire NiTi Shape Memory Alloy

Multiple Taper Design







03 Preparation
SHAPING (Continuous Rotation)

Material : NiTi

Package : 6 Pcs

Sterilization : ≤134℃

Size

SX	S1	S2	F1	F2	F3	F4	F5
019 04	018 02	020 04	020 07	025 08	030 09	040 06	050 05

Speed :	300rpm		
Torque :	3.0N/cm	1.5N/cm	3.0N/cm
Torque :	5.0-6.0N/cm	1.5-2.0N/cm	3.0-4.0N/cm
Torque :	5.0-6.0N/cm	1.5-2.0N/cm	3.0-4.0N/cm
Torque :	5.0-6.0N/cm	1.5-2.0N/cm	3.0-4.0N/cm
Length :	19mm	21/25/31mm	
Cross Section :			

Features:

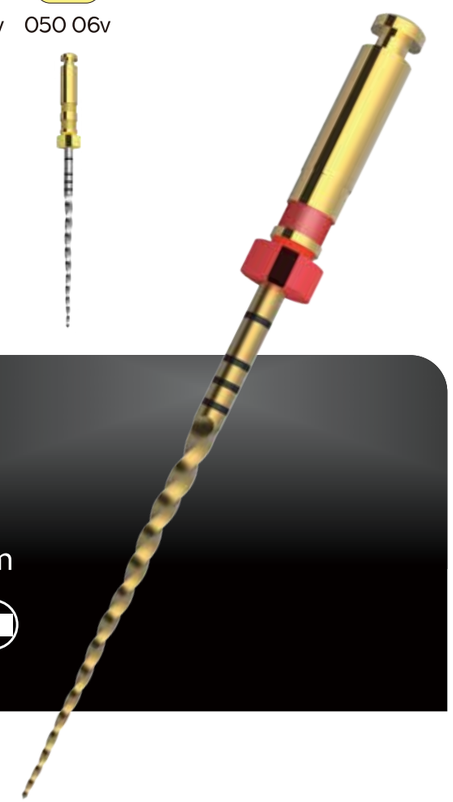
1 . Made from CM-WIRE NiTi alloy with original/gold/blue/purple heat treatment. Pre-bendable and flexible.
2. Multiple taper design preserves more dentin.

Taper X Silver / Gold

Material : NiTi
Package : 3 / 5 / 6 Pcs

Size

XA	X1	X2	X3	X4	X5
019 04v	017 04v	025 06v	030 07v	040 06v	050 06v



Speed : 300rpm
Torque : 2.0-3.0N/cm
Length : XA: 19MM, X1-X5: 21/25/31mm
Cross Section : XA: X1-X5:

Features:

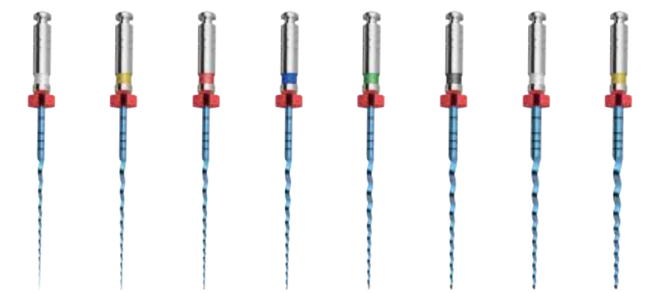
1. Made from M-Wire NiTi alloy with heat treatment.
2. Gradual transition from square to rectangular cross-section with variable taper design. Efficient shaping with strong debris removal.
3. Rounded tip enhances safety.

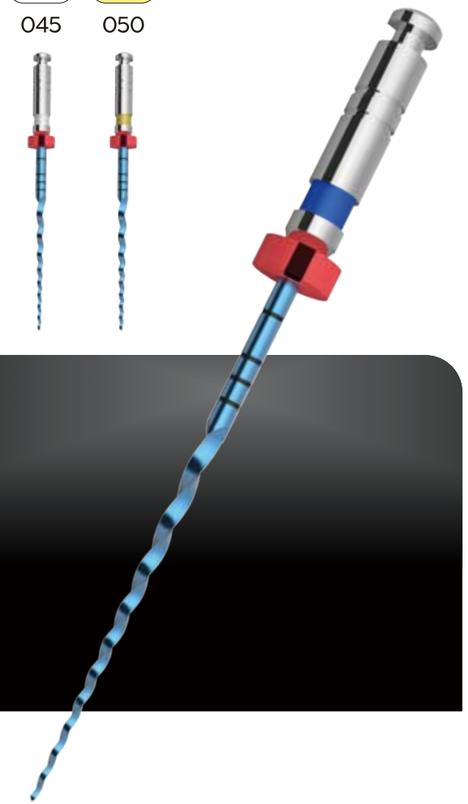
BlueShaper

Material : NiTi
Package : 6 Pcs
Taper : .04/.06

Size

015	020	025	030	035	040	045	050





Speed : 250-360rpm
Torque : 2.0-3.0N/cm
Length : 21/25/31mm
Cross Section :

Features:

1. M-Wire Niti Alloy Material: Features blue heat treatment with enhanced elastic memory and superior resilience.
2. 04/06 Taper Design: Available in multiple specifications to accommodate diverse clinical requirements.

Pedo

Size

C1	C2	C3
020 04	025 04	030 04

Material : NiTi
Package : 6 Pcs
Length : 16mm
Speed : 250-360rpm
Torque : 2.0-3.0N/cm
Cross Section :

Features:

1 . Made from M-Wire NiTi alloy with heat-treatment.
2. Features 11mm handle, 13mm working part; specially designed for pediatric root canal preparation.

RootPath File Silver / Gold

Size

013 02	016 02	019 02

Material : NiTi
Package : 6 Pcs
Length : 21/25/31mm
Speed : 300rpm
Torque : 2.0N/cm
Cross Section :

Features:

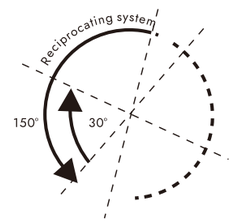
1. Made from M-Wire NiTi alloy with heat treatment.
2. For establishing glide path and pre-shaping.
3. Flexible and fatigue-resistant. Conforms to canal anatomy.
4. Available in 13, 16, and 19 tip sizes. Suitable for narrow and curved canals.

V Glider

Size

N15
015 02

Material : NiTi
Package : 6 Pcs
Length : 21/25/31mm
Speed : 300rpm
Torque : 5.0N/cm
Cross Section :



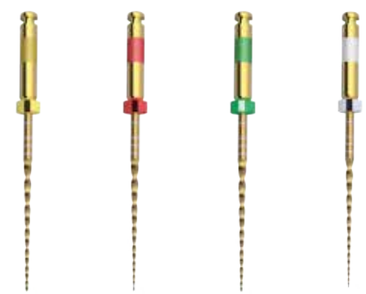
Features:

1 . Made from M-Wire NiTi alloy with gold heat treatment, flexible and fatigue-resistant.
2. Parallelogram cross-section with continuous taper 2%-4.5%.
3. Designed for reciprocating motion. Suitable for all reciprocating systems for canal scouting and glide path.

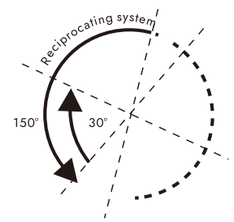
V Gold Files

Size

N20	N25	N35	N45
020 07	025 07	035 06	045 05



Material : NiTi
Package : 4 Pcs
Length : 21/25/31mm
Speed : 350rpm
Torque : 2.0-3.0N/cm
Cross Section :

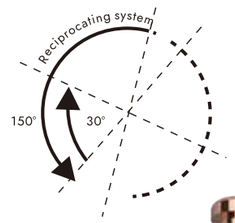


Features:

1 . Made from CM-Wire NiTi alloy with gold heat treatment.
2. Variable parallelogram cross-section and progressive spiral reduce screwing-in force and improve fatigue resistance.
3 .Highly flexible and adaptive to canal shape.
4. Designed for reciprocating motion, enabling single-file shaping with high efficiency and safety.

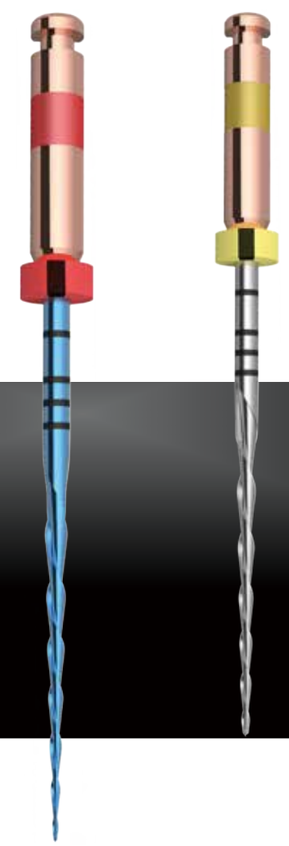
Reci-Shape Silver/Gold/Blue

Material : NiTi
Package : 6 Pcs



Size

R25	R40	R50
025 08	040 06	050 05



Speed : 350rpm
Torque : 2.0-3.0N/cm
Length : 21/25/31mm
Cross Section :

Features:

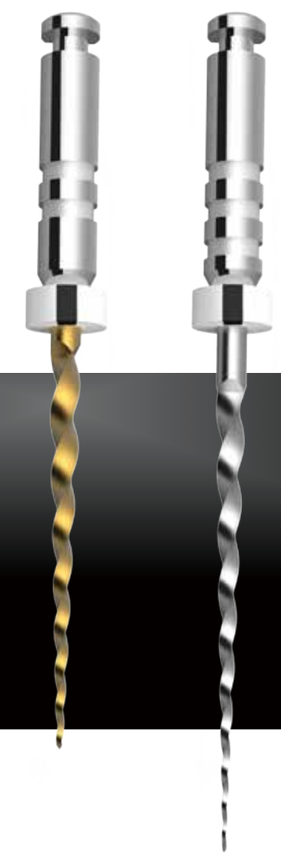
1. Made from CM-Wire NiTi alloy with original/gold/blue heat treatment.
2. S-shaped cross-section provides strong cutting with pecking and vertical motion.
3. Designed for use in reciprocating motion. Efficient single-file root canal shaping with enhanced safety.

Retreat Files Silver/Gold

Material : NiTi
Package : 6 Pcs

Size

D1	D2	D3
030 09	025 08	020 07



Speed : 500rpm
Torque : 2.0-3.0N/cm
Length : D1:16mm / D2:18mm / D3:22mm
Cross Section :

Features:

1. Manufactured from M-Wire NiTi alloy with heat treatment.
2. D1 has an active cutting tip designed to penetrate filling material and efficiently remove the coronal third.
3. D2 has a non-cutting tip that maintains the original canal anatomy while removing the middle third filling material.
4. D3 incorporates a non-cutting ISO 020 tip specially designed for removal of apical third filling material while preserving canal configuration.

RootCleanser

Material : NiTi
Package : 6 Pcs

Size
025 02
03002

Speed : 1000rpm
Torque : 1.0N/cm
Length : 21/25/31mm
Cross Section :

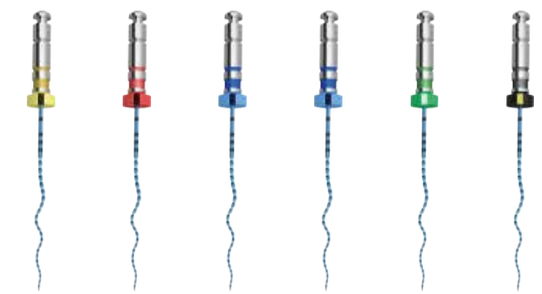
Features:

1. Made from M-Wire NiTi alloy with special heat treatment.
2. Rhomboid cross-section with C-shaped curve for adaptive cleaning of complex canals. Removes debris for optimal treatment outcomes.

RootShaper

Material : NiTi
Package : 6 Pcs

Size
020 03
025 03
030 03
030 04
035 03
040 03



Speed : 1000rpm
Torque : 1.0N/cm
Length : 21/25/31mm
Cross Section :

Features:

1. Made from M-Wire NiTi alloy with special heat treatment.
2. Rhomboid cross-section with special manufacturing creates curved shape that adapts to complex canal anatomy.
3. Can create taper of canal anatomy between 02-08 with repeated movement and dwell time.

K Files

Material: NiTi / SST
Package : 6 Pcs
Length : 21/25/28/31mm

Strong and stable instruments for searching root canal, cleaning and shaping the canal walls.

Cross Section : ■

Size 06 08 10 15 20 25 30 35 40 45 50 55 60 70 80

Function:

Used to explore, shape, and clean the root canal system during endodontic treatment.

H Files

Material: NiTi / SST
Package : 6 Pcs
Length : 21/25/28/31mm

Fasting cutting instruments for fast removal.

Cross Section : ●

Size 06 08 10 15 20 25 30 35 40 45 50 55 60 70 80

Function:

With the largest helical angle and 0° rake angle, they offer excellent cutting efficiency in vertical motion. Used for enlarging root canals.

Reamers

Material: NiTi / SST
Package : 6 Pcs
Length : 21/25/28/31mm

Instruments for smooth preparation of the canal walls.

Cross Section : ▲

Size 06 08 10 15 20 25 30 35 40 45 50 55 60 70 80

Function:

Used for enlarging the root canal and removing infected tissue.

K Flexile

Material: NiTi / SST
Package : 6 Pcs
Length : 21/25/28/31mm

Fast cutting canal wall but not affect the structural stability due to shaping the reverse thread,different from the obtuse cutting blade grinding forming equipment, it is not easy to break even in the case of strong load.

Cross Section : ■ ▲

Size 06 08 10 15 20 25 30 35 40 45 50 55 60 70 80

Function:

Used to explore, shape, and clean the root canal system during endodontic treatment.

C+Files

Material: SST
Package : 6 Pcs
Length : 21/25/28/31mm

Used to dredge difficult or calcified root canals, cutting tip which engages dentine.

Size

06 08 10 15 20

Function:

Formed by ground threads with a special 3mm heat-treated tip, 3 times harder than regular files. Suitable for preparing and negotiating calcified root canals.

Barbed Broaches

Material: SST
Package : 10 Pcs
Length : 21/25/28/31mm

Size

000 001 002 003 004 005 006

Function:

Used to probe or treat tooth surfaces, pulp, and surrounding tissues. Also for removing cotton or paper points left in the canal.

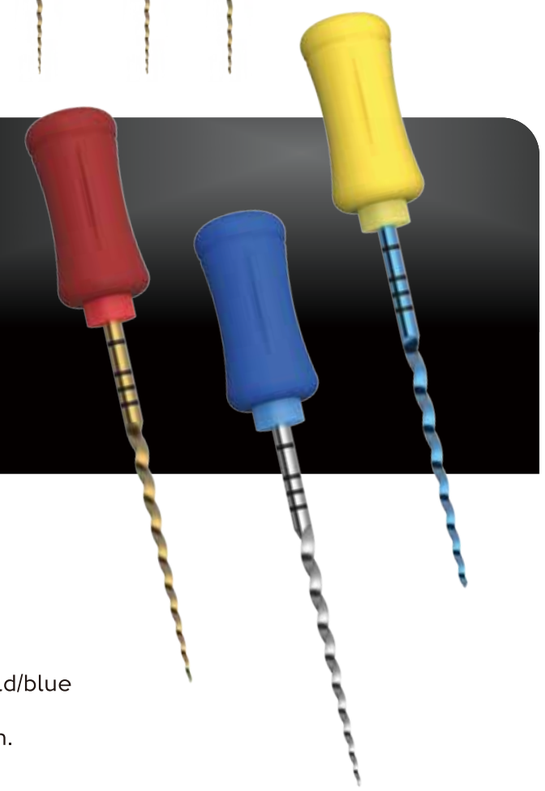
Super File

Silver / Gold / Blue

Material : NiTi
Package : 6 Pcs

Size SX S1 S2 F1 F2 F3 F4 F5

Length : SX: 19mm
S1-F5: 21/25/31mm



Features:

1. Made from CM-Wire NiTi alloy with silver/gold/blue heat treatment. Pre-bendable and flexible.
2. Multiple taper design preserves more dentin.

Micro-Shaper

Material: SST **Package :** 6 Pcs

Features:

1. Specially designed for microscopic treatment. Enables easy access to root canals even in patients with limited mouth opening, reducing visual obstruction during micro-endodontic procedures.
2. Fully autoclavable (≤134°C) for safe reuse in clinical practice.

OP Shaper

Size

010 04 010 06 015 04

The working portion undergoes special processing;
Used for root canal exploration and micro-opening.

K Shaper

Size

015 02 020 02 025 02 030 02 035 02 040 02

Can be used to pre-confirm root canal preparation effects and remove debris from gutta-percha, cement, calcified dentin, and other obstructions in the root canal.

H Shaper

Size

015 02 020 02 025 02 030 02 035 02 040 02

The product is used similarly to manual H-files,
with strong cutting ability.

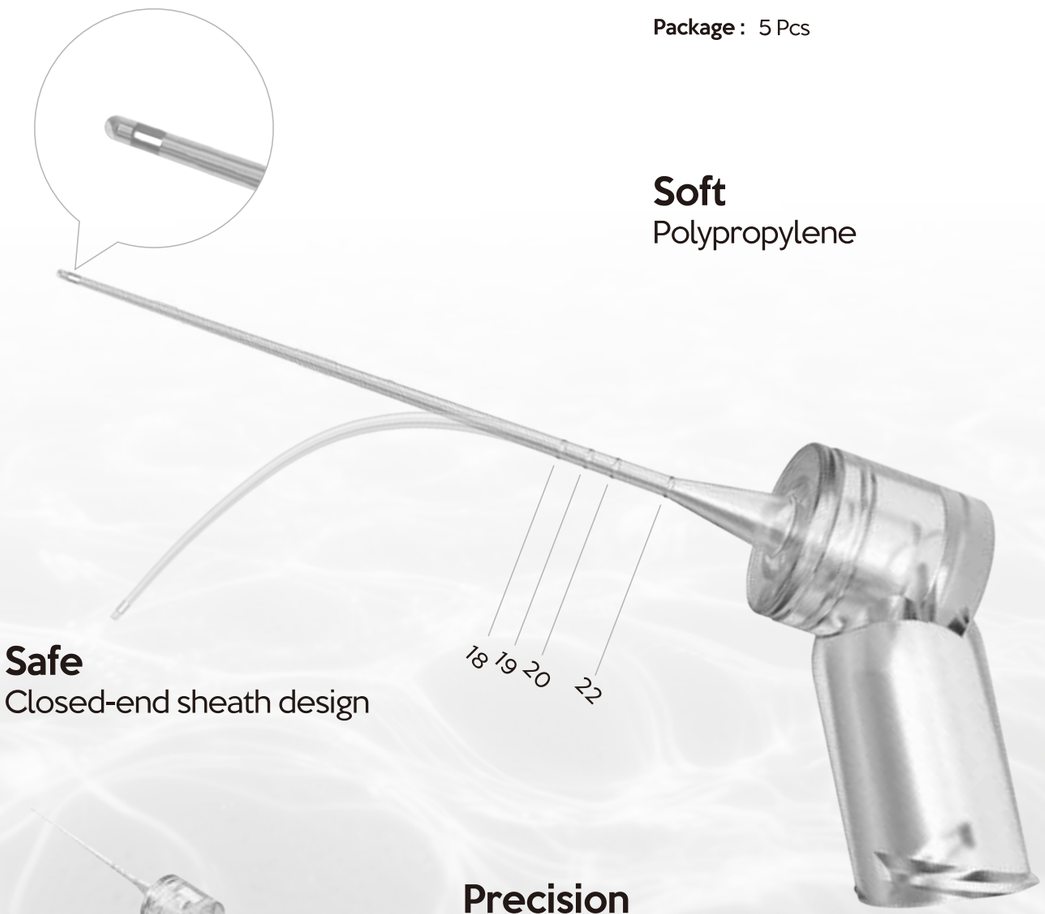
Irrigation Tip

Used to remove debris and contaminants from the oral cavity.

Model Code : 30G / 27G

Size : 0.30 / 0.40

Package : 5 Pcs



Soft
Polypropylene

Safe
Closed-end sheath design

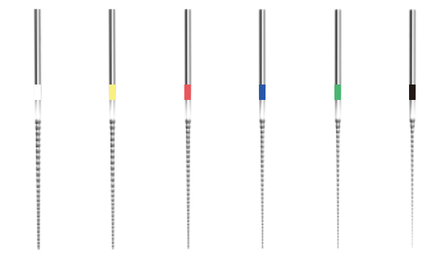
Precision
03/04% Taper
Clearly visible depth indications

Features:

1. Dual side ports for enhanced lateral irrigation.
2. Graduated rings (18, 19, 20, 22 from tip) for depth measurement.
3. Made from PP material, flexible, smooth, and bendable. Non-traumatic to tissues, suitable for complex canals.

U Files

Material: SST
Package : 6 Pcs
Length : 33mm



Size

15	20	25	30	35	40

Function:

Used for root canal irrigation and calcium deposit removal with ultrasonic endodontic units.

Paste Carrier

Material: SST
Package : 4 Pcs
Length : 21/25/29mm

Used with active handpieces to deliver paste-type filling materials into canals.

Size

25	30	35	40

Features:

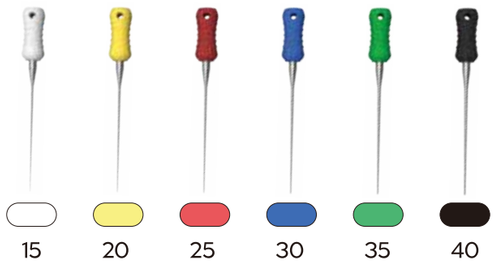
1 . Spiral design facilitates efficient paste delivery.
2. Made of high-quality stainless steel for durability and corrosion resistance.
3. Available in various sizes for different clinical needs.
4.Autoclavable and reusable.

Pluggers

Used for vertical compaction of obturation materials in root canals.

Material: NiTi / SST
Package : 6 Pcs
Length : 21/25/28/31mm

Tip Shape :



Features:

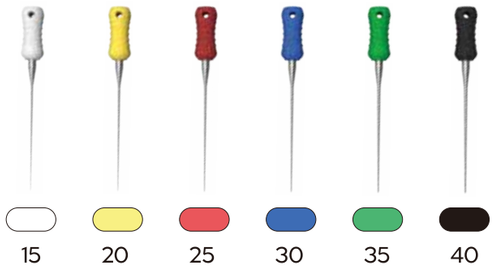
1. Smooth, non-cutting tapered working end with flat tip for effective vertical pressure.
2. Available in stainless steel or NiTi for different clinical scenarios.
3. Wide range of sizes for various root canal anatomies.
4. Autoclavable and reusable.

Spreaders

Used to create space for gutta-percha cones and enhance compaction density.

Material: NiTi / SST
Package : 6 Pcs
Length : 21/25/28/31mm

Tip Shape :



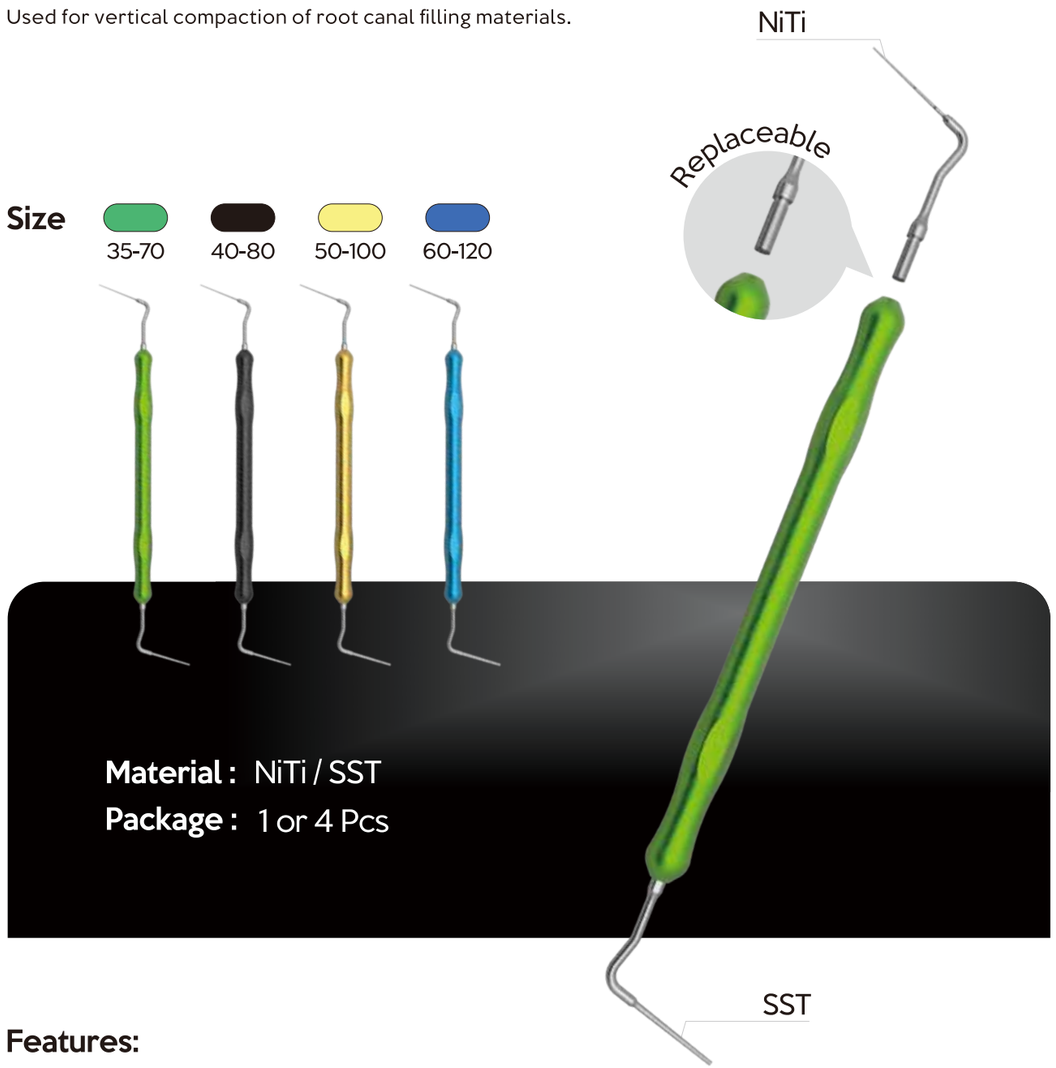
Features:

1. Smooth, conical working end.
2. Available in stainless steel or NiTi for different clinical scenarios.
3. Multiple sizes for various canal shapes.
4. Autoclavable and reusable.

Bi-angled Plugger

Binangle Compactor

Used for vertical compaction of root canal filling materials.

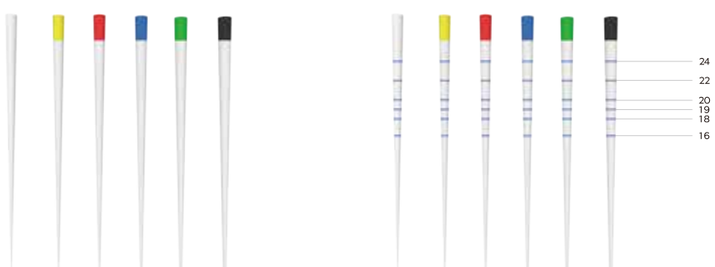


Features:

1. Ergonomic handle design ensures comfortable and convenient operation during vertical compaction procedures.
2. Dual-material working ends: stainless steel and nickel-titanium.
3. Multiple models available to accommodate varied canal tapers and anatomies, meeting diverse clinical obturation needs.
4. Autoclavable (≤134°C) for repeated sterilization and reuse.
5. Threaded connection allows interchangeable working tip replacements.

Absorbent Paper Points

Color Coded/Length Marked



Size

15	20	25	30	35	40	45	50	55	60	70	80

Color Coded

Taper :	.02	.04	.06
Package :	200Pcs/box	100Pcs/box	100Pcs/box

Length Marked

Taper :	.02	.04	.06
Package :	200Pcs/box	100Pcs/box	100Pcs/box

Special Format Absorbent Paper Points

Protaper	Protaper Next	Wave One Gold	Reciproc	Accessory Type
F1	X2	Small	R25	XF
F2	X3	Primary	R40	FF
F3	X4	Medium	R50	MF
F4	X5	Large		F
F5				FM
				M
100Pcs/box	100Pcs/box	100Pcs/box	100Pcs/box	100Pcs/box

Features:

1. Conical shape with smooth surface; stiff yet flexible for easy canal insertion.
2. ISO-standard sizing with color-coded tips for easy identification.
3. Excellent absorption and decomposition resistance; non-sticky.

Gutta Percha Points

Composition: Gutta-percha, zinc oxide, barium sulfate, and color pigment.

Size

15	20	25	30	35	40	45	50	55	60	70	80

Color Coded

Taper :	.02	.04	.06
Package :	120Pcs/box	60Pcs/box	60Pcs/box

Length Marked

Taper :	.02	.04	.06
Package :	120Pcs/box	60Pcs/box	60Pcs/box

Features:

1. Machine-made with high dimensional accuracy (± 0.01 mm).
2. Clean cut, quickly dissolvable in solvents for retreatment.
3. Non-conductive and thermally stable.

Special Format Gutta Percha Points

Protaper	Protaper Next	Wave One Gold	Reciproc	Accessory Type
F1	X2	Small	R25	XF
F2	X3	Primary	R40	FF
F3	X4	Medium	R50	MF
F4	X5	Large		F
F5				FM
				M
60Pcs/box	60Pcs/box	60Pcs/box	60Pcs/box	60Pcs/box

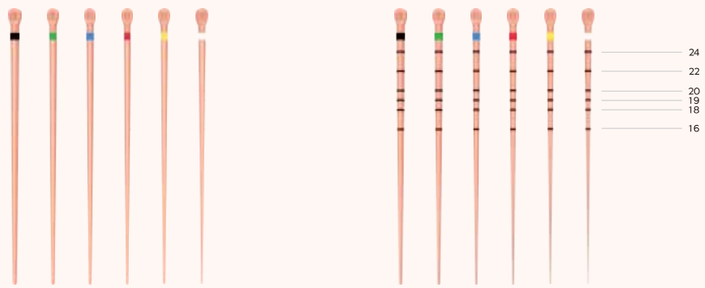
Obturator Pellets : 250 100Pcs/box

Comparison Table:

	Traditional Gutta Percha	Injection Molding Gutta Percha
Size	± 0.07 mm (needs trimming)	± 0.01 mm (ready to use)
Manufacturing	Hand-rolled	Fully automated
Environment	Outsourced manual	Clean room production
X-ray Visibility	General	Clear and precise
Cutting Temp	180℃	150–180℃

Bio GP Points

Composition: Gutta-percha, zinc oxide, zirconium oxide, barium sulfate, and color pigment.



Size

15	20	25	30	35	40	45	50	55	60	70	80

Color Coded

Taper :	.02	.04	.06
Package :	120Pcs/box	60Pcs/box	60Pcs/box

Length Marked

Taper :	.02	.04	.06
Package :	120Pcs/box	60Pcs/box	60Pcs/box

Packaging Options: 1. Push-pull box 2. Small bottle packaging

Features:

1. Suitable for single-cone obturation technique; achieves tight sealing when used with bioceramic sealers.
2. Offers superior biocompatibility.
3. Provides enhanced radiopacity compared to traditional gutta-percha points.
4. Manufactured by precision automated process with dimensional tolerance within ± 0.01 mm.
5. Clean and sharp cut when trimmed.
6.Easily dissolvable with solvents such as chloroform during retreatment.

Special Format Bio GP Points

Protaper	Protaper Next	Wave One Gold	Reciproc	Accessory Type
F1	X2	Small	R25	XF
F2	X3	Primary	R40	FF
F3	X4	Medium	R50	MF
F4	X5	Large		F
F5				FM
				M
60Pcs/box	60Pcs/box	60Pcs/box	60Pcs/box	60Pcs/box

Obturator Pellets : 250 100Pcs/box

Comparison Table:

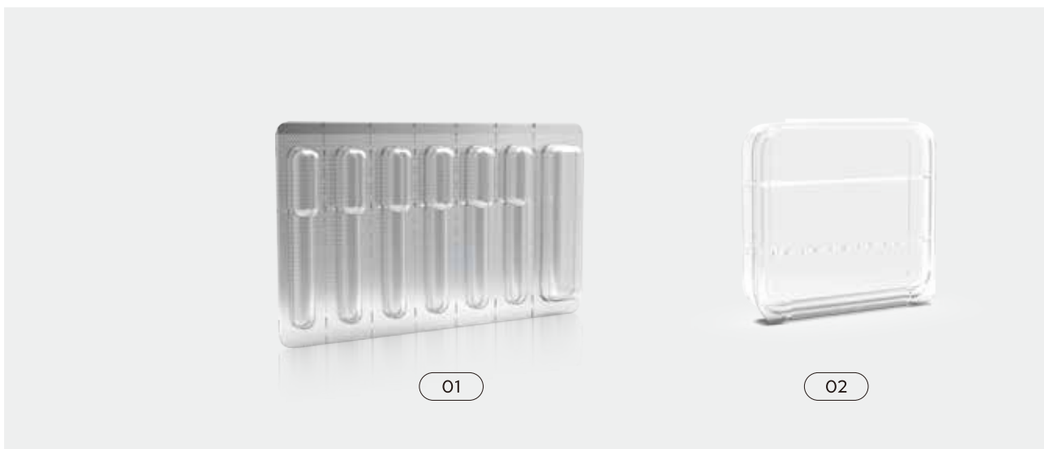
	General GP	Bio GP
Accuracy	±0.01 mm	±0.01 mm
Production	Automated	Automated
Environment	Clean room	Clean room
X-ray Visibility	Good	Enhanced
Cutting Temp	150–180℃	150–180℃
Sealer Compatibility	General	Best with bioceramic sealer

Packaging

Rotary Files

Hand Files

Super File



Hand Files

Hand use files

Gates Drills
Peeso Reamers

U Files
Paste Carrier

Obturation

Absorbent Paper Points
Gutta Percha Points
Bio GP Points