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Introduction



Access and Preparation



Obturation



Endo Restoration



Instruments / Accessories



Product Index



Endodontic therapy and procedures, involving the soft inner tissue of the teeth, called the pulp. The word "endodontic" comes from "endo" meaning inside and "odont" meaning tooth. Like many medical terms, it's Greek.

Endodontic therapy or root canal therapy is a sequence of treatment for the infected pulp of a tooth which results in the elimination of infection and the protection of the decontaminated tooth from future microbial invasion.

KLardent made a huge progress in the field of endodontics by introducing innovative endodontic concepts and techniques, which make the endo treatment much simple and successful, beside we trying to produce files that will work more efficiently and safely, where file design continues to differ is in tip and taper design, presence of radial lands, rake angles, helical angles, and pitch.

Our experience with rotary instrumentation grew, we realized that rotary instrumentation is not a panacea for every case. By developing hybrid techniques that combine different rotary systems, or combine rotaries with hand instrumentation, we successfully addressed most endodontic challenges.



Calcium Hydroxide Placement Instruments

Calcium hydroxide or glass ionomer placement instrument.
Fine and round end which is useful as a small burnisher.

Calcium Hydroxide Placement Instrument single side	124-001
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Calcium Hydroxide Placement Instrument Double side	124-003
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Boxes and Accessories

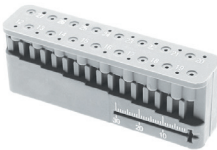
Endodontic file, Gutta percha and paper point working length adjustment ruler.
Autoclavable up to 134°C.

Endo Finger Ruler	EA001-001
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Endodontic device for setting a precise working length of files.
Autoclavable up to 134°C.

Endo Files Block	EA001-002
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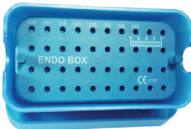
Endodontic files storing and cleaning stand used during the treatment.
Autoclavable up to 134°C.

Endo Cleaning Stand	EA001-003
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Endodontic files organizer can hold up to 40 files
Autoclavable up to 134°C.

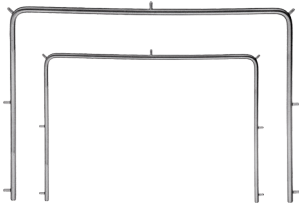
Endo Files Box	EA001-004
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Dental Dam Frame

U-Shaped frame made of high quality stainless steel with strong and durable attachment points
Can be sterilized in autoclave and thermal sterilizer

Dental Dam Frame Adults	118-005
Dental Dam Frame Children	118-006



Dental Dam Punch Ainsworth

Ainsworth punch made of high quality stainless steel which is solidly built to for lasting longevity
Used for perforating the dental rubber dam, with a specially designed spike to pierce the dam precisely
Available in both serrated and smooth handle

Dental Dam Punch Ainsworth Smooth	118-001
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Dental Dam Punch Ainsworth Serrated	118-002
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Dental Clamp Forceps

An instrument features a useful attachment design which makes it easy to pick up and place rubber dam clamps
Made from high resistant Stainless Steel gives more durability and reliability
Can be sterilized in autoclave and thermal sterilizer

Dental Clamp Forceps Brewer	118-003
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Dental Clamp Forceps Ivory	118-004
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Gates Drills

For enlargement of the coronal third, made of special Stainless Steel with non-cutting tip
Shaft marking from 1 to 6, recommended speed 800-1,200 rpm
Gates with predetermined breaking point at the shank; if the instrument fractures, it can be removed easily

Size	28 mm	32 mm
1 / 50	G0012801	G0013201
2 / 70	G0012802	G0013202
3 / 90	G0012803	G0013203
4 / 110	G0012804	G0013204
5 / 130	G0012805	G0013205
6 / 150	G0012806	G0013206
1-6 / 50-150	G0012816	G0013216
2-4 / 70-110	G0012824	G0013224



Peeso Reamers

For enlargement of the coronal third, made of special Stainless Steel with non-cutting tip
Shaft marking from 1 to 6, recommended speed 800-1,200 rpm

Size	28 mm	32 mm
1 / 70	L0012801	L0013201
2 / 90	L0012802	L0013202
3 / 110	L0012803	L0013203
4 / 130	L0012804	L0013204
5 / 150	L0012805	L0013205
6 / 170	L0012806	L0013206
1-6 / 70-170	L0012816	L0013216
2-4 / 90-130	L0012824	L0013224



Barbed Broaches

Flexible barbed broaches to remove the pulp tissue in a safe and easy way. It is made of Stainless Steel that makes it resilient and not breakable in the canal if it used properly

Size		21 mm	25 mm
XXXXF/0	●	B0012100	B0012500
XXF/1	○	B0012101	B0012501
XXF/2	●	B0012102	B0012502
XF/3	●	B0012103	B0012503
F/4	●	B0012104	B0012504
M/5	●	B0012105	B0012505
C/6	●	B0012106	B0012506
XXF-F/2-4	● ● ●	B00121024	B00125024
XXXXF-C/0-6	● ○ ● ● ● ● ●	B00121006	B00125006



Stainless Steel Files

Excellent cutting efficiency
Special steel alloy with uniform structure for maximum resistance to fracture and maximum flexibility
Instrument type and ISO size are clearly marked on the handle
Radiopaque depth marks
The inactive tip conducts the instrument safely along the canal with pre-mounted silicone stoppers

H-Files Stainless Steel

Size		21 mm	25 mm	28 mm	31 mm
08	●	H00121008	H00125008	H00128008	H00131008
10	●	H00121010	H00125010	H00128010	H00131010
15	○	H00121015	H00125015	H00128015	H00131015
20	●	H00121020	H00125020	H00128020	H00131020
25	●	H00121025	H00125025	H00128025	H00131025
30	●	H00121030	H00125030	H00128030	H00131030
35	●	H00121035	H00125035	H00128035	H00131035
40	●	H00121040	H00125040	H00128040	H00131040
15-40	○●●●●●	H001211540	H001251540	H001281540	H001311540
45-80	○●●●●●	H001214580	H001254580	H001284580	H001314580



K-Files Stainless Steel

Size		21 mm	25 mm	28 mm	31 mm
08	●	K00121008	K00125008	K00128008	K00131008
10	●	K00121010	K00125010	K00128010	K00131010
15	○	K00121015	K00125015	K00128015	K00131015
20	●	K00121020	K00125020	K00128020	K00131020
25	●	K00121025	K00125025	K00128025	K00131025
30	●	K00121030	K00125030	K00128030	K00131030
35	●	K00121035	K00125035	K00128035	K00131035
40	●	K00121040	K00125040	K00128040	K00131040
15-40	○●●●●●	K001211540	K001251540	K001281540	K001311540
45-80	○●●●●●	K001214580	K001254580	K001284580	K001314580



LUCIA Glass Fiber Reinforced Posts

Glass fibre reinforced post
Strong and long-lasting glass fiber
High radiopacity similar to metal post
The post elasticity is similar to dentin, which lower the risk of root fracture
The microporous surface allows for additional bond strength and excellent adhesion properties

Size	○ 1.0 mm	● 1.2 mm	● 1.4 mm	● 1.6 mm	Assorted
Straight	FP 01-1.0	FP 01-1.2	FP 01-1.4	FP 01-1.6	FP 01-ASS

Size	○ 1.0 mm	● 1.2 mm	● 1.4 mm	● 1.6 mm	Assorted
Screw	FP 02-1.0	FP 02-1.2	FP 02-1.4	FP 02-1.6	FP 02-ASS

Size	● 0.8 / 1.2 mm	● 0.9 / 1.4 mm	● 1.0 / 1.6 mm	● 1.15 / 1.8 mm	Assorted
Double Taper	FP 05-1.2	FP 05-1.4	FP 05-1.6	FP 05-1.8	FP 05-ASS



Stainless Steel Root Canal Screw Posts

Retentive thread and surface treatment for optimum anchoring and stability
Longitudinal groove for evacuation of excess cement to prevent any apical compression
Reliable and simple solution for post and core build-up
Available in different length and diameters

Length / Size Φmm	0	1	2	3
Short - S	SP 01-0S L 6.85 / Φ1.05 mm	SP 01-1S L 7.35 / Φ1.20 mm	SP 01-2S L 8.05 / Φ1.40 mm	SP 01-3S L 9.0 / Φ1.60 mm
Medium - M	SP 01-0M L 8.80 / Φ1.05 mm	SP 01-1M L 9.45 / Φ1.20 mm	SP 01-2M L 10.0 / Φ1.40 mm	SP 01-3M L 11.0 / Φ1.60 mm
Long - L	SP 01-0L L 10.90 / Φ1.05 mm	SP 01-1L L 11.40 / Φ1.20 mm	SP 01-2L L 12.20 / Φ1.40 mm	SP 01-3L L 13.30 / Φ1.60 mm
Set S-M-L	SP 01-00	120 screw posts + 2 keys		





Stainless Steel Finger Pluggers

Gutta-Percha verticle condenser with blunt tip
Made of high resistant stainless steel
Pluggers with pre-mounted silicone stoppers
Sizes 15-40 to match standardised gutta-percha cones

Size		21 mm	25 mm
15	○	P00121015	P00125015
20	●	P00121020	P00125020
25	●	P00121025	P00125025
30	●	P00121030	P00125030
35	●	P00121035	P00125035
40	●	P00121040	P00125040
15-40	○●●●●●	P001211540	P001251540



NiTi Finger Pluggers

Gutta-Percha verticle condenser with blunt tip
Made of special Nickel Titanium alloy
Pluggers with pre-mounted silicone stoppers
Sizes 15-40 to match standardised gutta-percha cones

Size		21 mm	25 mm
15	○	P00221015	P00225015
20	●	P00221020	P00225020
25	●	P00221025	P00225025
30	●	P00221030	P00225030
35	●	P00221035	P00225035
40	●	P00221040	P00225040
15-40	○●●●●●	P002211540	P002251540



Reamers Stainless Steel

Size		21 mm	25 mm	28 mm	31 mm
08	●	R00121008	R00125008	R00128008	R00131008
10	●	R00121010	R00125010	R00128010	R00131010
15	○	R00121015	R00125015	R00128015	R00131015
20	●	R00121020	R00125020	R00128020	R00131020
25	●	R00121025	R00125025	R00128025	R00131025
30	●	R00121030	R00125030	R00128030	R00131030
35	●	R00121035	R00125035	R00128035	R00131035
40	●	R00121040	R00125040	R00128040	R00131040
15-40	○●●●●●	R001211540	R001251540	R001281540	R001311540
45-80	○●●●●●	R001214580	R001254580	R001284580	R001314580



Nickel Titanium Files

Super flexible files, follow any canal curvature
Special Nickel Titanium alloy with uniform structure for maximum resistance to fracture and maximum flexibility
Instrument type and ISO size are clearly marked on the handle
Radiopaque depth marks
The inactive tip conducts the instrument safely along the canal with pre-mounted silicone stoppers

NiTi H-Files

Size		21 mm	25 mm	28 mm	31 mm
08	●	H00221008	H00225008	H00228008	H00231008
10	●	H00221010	H00225010	H00228010	H00231010
15	○	H00221015	H00225015	H00228015	H00231015
20	●	H00221020	H00225020	H00228020	H00231020
25	●	H00221025	H00225025	H00228025	H00231025
30	●	H00221030	H00225030	H00228030	H00231030
35	●	H00221035	H00225035	H00228035	H00231035
40	●	H00221040	H00225040	H00228040	H00231040
15-40	○●●●●●	H002211540	H002251540	H002281540	H002311540
45-80	○●●●●●	H002214580	H002254580	H002284580	H002314580





NiTi K-Files

Size		21 mm	25 mm	28 mm	31 mm
08	●	K00221008	K00225008	K00228008	K00231008
10	●	K00221010	K00225010	K00228010	K00231010
15	○	K00221015	K00225015	K00228015	K00231015
20	●	K00221020	K00225020	K00228020	K00231020
25	●	K00221025	K00225025	K00228025	K00231025
30	●	K00221030	K00225030	K00228030	K00231030
35	●	K00221035	K00225035	K00228035	K00231035
40	●	K00221040	K00225040	K00228040	K00231040
15-40	○●●●●●●	K002211540	K002251540	K002281540	K002311540
45-80	○●●●●●●	K002214580	K002254580	K002284580	K002314580



NiTi Reamers

Size		21 mm	25 mm	28 mm	31 mm
08	●	R00221008	R00225008	R00228008	R00231008
10	●	R00221010	R00225010	R00228010	R00231010
15	○	R00221015	R00225015	R00228015	R00231015
20	●	R00221020	R00225020	R00228020	R00231020
25	●	R00221025	R00225025	R00228025	R00231025
30	●	R00221030	R00225030	R00228030	R00231030
35	●	R00221035	R00225035	R00228035	R00231035
40	●	R00221040	R00225040	R00228040	R00231040
15-40	○●●●●●●	R002211540	R002251540	R002281540	R002311540
45-80	○●●●●●●	R002214580	R002254580	R002284580	R002314580



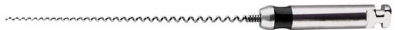
Paste Carriers Stainless Steel

Paste Carriers have consistently spaced spirals which provide outstanding flexibility in distributing root canal sealer evenly throughout the root canal system

Metal shaft, ISO standardised

The cone shaped spiral prevents air bubble incursions

Size		21 mm	25 mm	29 mm
25	●	C0012125	C0012525	C0012925
30	●	C0012130	C0012530	C0012930
35	●	C0012135	C0012535	C0012935
40	●	C0012140	C0012540	C0012940
25-40	●●●●●	C001212540	C001252540	C001292540



Stainless Steel Finger Spreaders

Gutta percha lateral condenser with pointed tip

Made of high resistant stainless steel

Spreaders with pre-mounted silicone stoppers

Sizes 15-40 to match standardised gutta-percha cones

Size		21 mm	25 mm
15	○	S00121015	S00125015
20	●	S00121020	S00125020
25	●	S00121025	S00125025
30	●	S00121030	S00125030
35	●	S00121035	S00125035
40	●	S00121040	S00125040
15-40	○●●●●●●	S001211540	S001251540



NiTi Finger Spreaders

Gutta percha lateral condenser with pointed tip

Made of special Nickel Titanium alloy

Spreaders with pre-mounted silicone stoppers

Sizes 15-40 to match standardised gutta-percha cones

Size		21 mm	25 mm
15	○	S00221015	S00225015
20	●	S00221020	S00225020
25	●	S00221025	S00225025
30	●	S00221030	S00225030
35	●	S00221035	S00225035
40	●	S00221040	S00225040
15-40	○●●●●●●	S002211540	S002251540





Stainless Steel Rotary Files

Stainless steel Rotary Files are made of high quality stainless steel
Max 800 rpm - ISO color coded

Rotary H-File Stainless Steel

Size		21 mm	25 mm
15	○	H00321015	H00325015
20	●	H00321020	H00325020
25	●	H00321025	H00325025
30	●	H00321030	H00325030
35	●	H00321035	H00325035
40	●	H00321040	H00325040
15-40	○●●●●●	H003211540	H003251540



Rotary K-File Stainless Steel

Size		21 mm	25 mm
15	○	K00321015	K00325015
20	●	K00321020	K00325020
25	●	K00321025	K00325025
30	●	K00321030	K00325030
35	●	K00321035	K00325035
40	●	K00321040	K00325040
15-40	○●●●●●	K003211540	K003251540



Rotary Reamers Stainless Steel

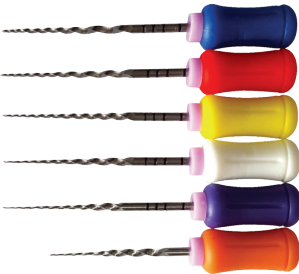
Size		21 mm	25 mm
15	○	R00321015	R00325015
20	●	R00321020	R00325020
25	●	R00321025	R00325025
30	●	R00321030	R00325030
35	●	R00321035	R00325035
40	●	R00321040	R00325040
15-40	○●●●●●	R003211540	R003251540



TePro is an endodontic Nickel Titanium versatile system that provides solutions for root canal treatment
TePro file exhibits a unique multi-tapered shape along its cutting portions, effectively shapes a root canal and minimizes file stress, so there is less risk of file separation and breakage
Better debris removal due to its multitapered shape and increased apical taper for a better canal cleaning
Simple and easy to use

TePro Hand use NiTi Files

Size		19 mm	21 mm	25 mm
SX		TH0021906		
S1	●		TH0022101	TH0022501
S2	○		TH0022102	TH0022502
F1	●		TH0022103	TH0022503
F2	●		TH0022104	TH0022504
F3	●		TH0022105	TH0022505
SX-F3	●		TH0022100	TH0022500



TePro Rotary NiTi Files

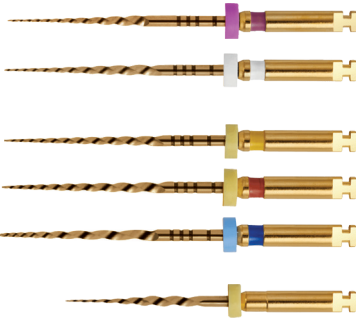
Size		19 mm	21 mm	25 mm
SX		T0021906		
S1	●		T0022101	T0022501
S2	○		T0022102	T0022502
F1	●		T0022103	T0022503
F2	●		T0022104	T0022504
F3	●		T0022105	T0022505
SX-F3			T0022100	T0022500



TePro Gold Rotary NiTi Files

Developed from TePro files by improving the alloy features, which delivers more flexibility and durability, and makes the file resist the cyclic fatigue

Size		19 mm	21 mm	25 mm
SX		TG0021906		
S1	●		TG0022101	TG0022501
S2	○		TG0022102	TG0022502
F1	●		TG0022103	TG0022503
F2	●		TG0022104	TG0022504
F3	●		TG0022105	TG0022505
SX-F3			TG0022100	TG0022500

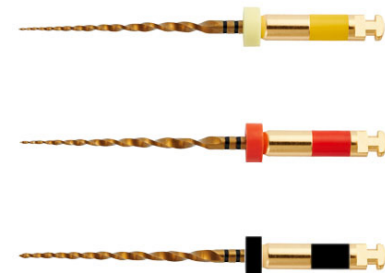




EnFil 360G Rotation NiTi Files

Enfil 360G is a new improved single-file rotation system made of Thermal Nickel Titanium wire which has excellent flexibility and resistance. Thermal Nickel Titanium wire has a memory that keeps root canal shape after removing the file. Excellent cutting efficiency and high bending resistance Available in lengths of 21, 25 mm

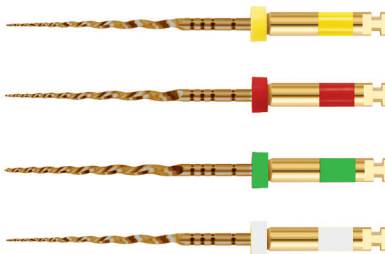
Size		21 mm	25 mm
Small	●	EGR0022101	EGR0022501
Medium	●	EGR0022102	EGR0022502
Large	●	EGR0022104	EGR0022504
Assorted	● ● ●	EGR0022100	EGR0022500



EnFil Gold Reciprocating NiTi Files

Enfil Gold is a new improved single-file reciprocating system made of Thermal Nickel Titanium wire which has excellent flexibility and resistance. Thermal Nickel Titanium wire has a memory that keeps root canal shape after removing the file. Reciprocation shaping technique utilizing unequal angles which make it much safer and faster than using multiple rotary files to achieve the same final shape Excellent cutting efficiency and high bending resistance Available in lengths of 21, 25 mm

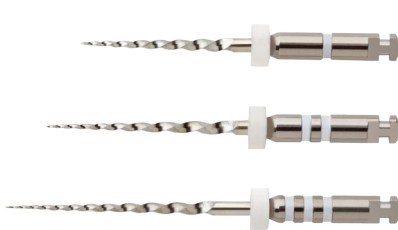
Size		21 mm	25 mm
Small	#20 ●	EG0022101	EG0022501
Primary	#25 ●	EG0022102	EG0022502
Medium	#35 ●	EG0022103	EG0022503
Large	#45 ○	EG0022104	EG0022504
Assorted	#20-45 ● ● ● ● ○	EG0022100	EG0022500



AGAIN Retreatment NiTi Files

AGAIN is a retreatment file which designed to remove different types of filling materials, such as gutta-percha and paste fillers before reshaping procedures Recommended speed for TePro retreatment file is 500 - 700 rpm and for gutta-percha 300 rpm to remove paste fillers

Size		
D1	16 mm	A0021601
D2	18 mm	A0021801
D3	22 mm	A0022201
D1-D3	16-22 mm	A00200



Nickel Titanium Rotary Files

NiTi Files are super flexible files, follow any canal curvature and have a special resistant to fracture or breakage Files have pre-mounted silicone stoppers

NiTi Rotary H-Files

Size		21 mm	25 mm
15	○	H00421015	H00425015
20	●	H00421020	H00425020
25	●	H00421025	H00425025
30	●	H00421030	H00425030
35	●	H00421035	H00425035
40	●	H00421040	H00425040
15-40	○ ● ● ● ● ●	H004211540	H004251540



NiTi Rotary K-Files

Size		21 mm	25 mm
15	○	K00421015	K00425015
20	●	K00421020	K00425020
25	●	K00421025	K00425025
30	●	K00421030	K00425030
35	●	K00421035	K00425035
40	●	K00421040	K00425040
15-40	○ ● ● ● ● ●	K004211540	K004251540



NiTi Rotary Reamers

Size		21 mm	25 mm
15	○	R00421015	R00425015
20	●	R00421020	R00425020
25	●	R00421025	R00425025
30	●	R00421030	R00425030
35	●	R00421035	R00425035
40	●	R00421040	R00425040
15-40	○ ● ● ● ● ●	R004211540	R004251540

