

Endodontic Instruments and materials

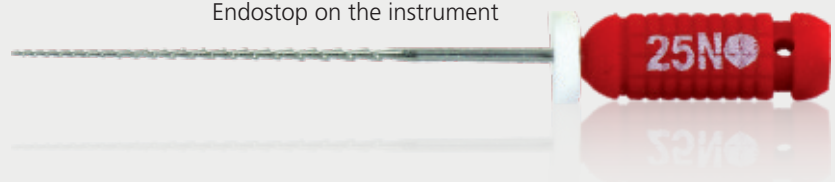


Endostar Line

Hand instruments

Endostop on the instrument

Type and size marking



S-files



NiTi S-files



H-files



NiTi H-files



K-files



NiTi K-files



K-reamers



NiTi K-reamers

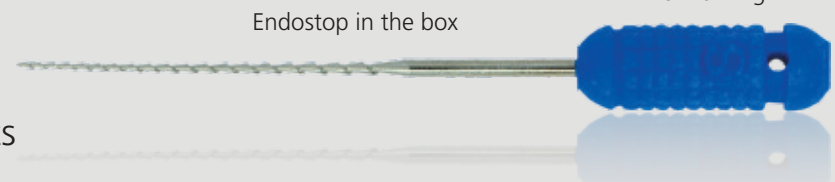


Standard Line

Hand and engine instruments

Endostop in the box

No marking



S-files



NiTi S-files



H-files



NiTi H-files



K-files



NiTi K-files



K-reamers



NiTi K-reamers



Overview

Description		Product name	Brand	Page
Endostar Line	Rotary instruments	Endostar E5	Poldent	4
		Big Apical Files Endostar	Poldent	5
		NiTi TWO Endostar	Poldent	6
		GPR Endostar	Poldent	6
	Root canal treatment hand instruments	S-files Endostar	Poldent	8
		NiTi S-files Endostar	Poldent	8
		H-files Endostar	Poldent	9
		NiTi H-files Endostar	Poldent	9
		K-files Endostar	Poldent	10
		NiTi K-files Endostar	Poldent	10
		K-reamers Endostar	Poldent	11
		NiTi KR-reamers Endostar	Poldent	11
		S-finder Endostar	Poldent	12
		Barbed Broaches Endostar	Poldent	12
	Root canal obturation instruments	Paste Fillers Endostar	Poldent	12
		Pluggers Endostar	Poldent	13
		Spreaders Endostar	Poldent	13
	Coronal preparation instruments	Gates Endostar	Poldent	13
		Peeso Endostar	Poldent	13
	Standard Line	Root canal treatment hand instruments	S-files	Poldent
NiTi S-files			Poldent	15
H-files			Poldent	16
NiTi H-files			Poldent	16
K-files			Poldent	17
NiTi K-files			Poldent	17
K-reamers			Poldent	18
NiTi KR-reamers			Poldent	18
S-finder			Poldent	19
Barbed Broaches		Poldent	19	
Root canal obturation instruments		Paste Fillers	Poldent	19
		Pluggers	Poldent	20
		Spreaders	Poldent	20
Coronal preparation instruments		Gates	Poldent	20
		Peeso	Poldent	20
Endoboxes		Endobox (without instruments)	Poldent	21
		Endobox (with instruments)	Poldent	21
Small accessories		Endostops	Poldent	21
		Endogrips	Poldent	21
Points	Endostar Paper Points	Poldent	22	
	Endostar Guttapercha Points	Poldent	22	

Rotary system Endostar E5

Product



Rotary system Endostar E5

Introductory set of system Endostar E5 consists of 5 nickel-titanium files, numbered 1, 2, 3, 4, 5 marked with blue stripes on the handle and K file size 15, which should be used to check the patency of the root canal.

Rotary Endostar E5 files easily "fit" even in most curved canals, minimizing the risk of perforation. They have modified shape of S NiTi file with two 90 degree cutting angles, which facilitates and accelerates the treatment of the canal apical part.

All files have shallower cuts (grinds), very elongated flutes and safe, rounded tip.

Endostar E5 rotary files can work with all endodontics contra angles/ micro motors with speed of 150 to 300 rotations per minute. They are very well matched with S5 Endo Motor, which has settings numbered 1, 2, 3, 4, 5 for the appropriate E5 instruments.

The files are packed in white box with silver Endostar label.

The size, taper and the length of individual files:

Instrument size	Number of stripes on the handle	Taper (%)	ISO size	Instrument length
1	1	8	30	18 mm
2	2	6	30	23, 28 mm
3	3	4	30	23, 28 mm
4	4	4	25	23, 28 mm
5	5	4	20	23, 28 mm



Starter Kit eS50105

Size 1, 2, 3, 4, 5, 23 mm 5 pcs

Refills 6 pcs

Size 1, 18 mm

Size 2, 23 mm

Size 3, 23 mm

Size 4, 23 mm

Size 5, 23 mm

Refills 6 pcs

Size 2, 28 mm

Size 3, 28 mm

Size 4, 28 mm

Size 5, 28 mm

Starter Kit eS5010528

Size 1, 2, 3, 4, 5, 28 mm 5 pcs

Clinical instruction of use for Endostar E5 rotary files:

1. Prepare tooth

Prepare tooth using rubber dam (recommended).

2. Locate all root canals

Fill out the vent of the canal with liquid. Restore patency of all canals down to a depth of about 2-3 mm from the tip with a file K 15 contained in the set. In the case of very curved and narrow canals use a different manual instrument sized 6, 8, or 10.

3. Prepare a chamber

Prepare a chamber with a file E5 number 1 until it reaches 1/3 to 1/2 the depth of the canal.

Do not insert a file in a curved part of a root canals. Remove debris from the canal and flush the canal as often as necessary.

4. Determine the working length of the canal

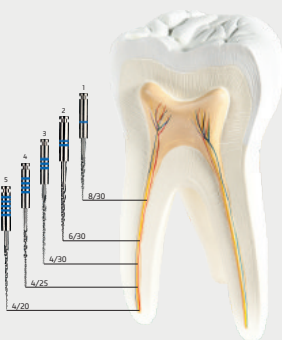
Determine the working length of the canal with manual instrument using x-ray and / or apex locator.

5. Prepare a root canal to working length

Prepare a root canal to working length with hand instruments to the size of a minimum 20. Start working with file number 2 E5, and then work with a file number 3 E5 few millimeters deeper in the canal.

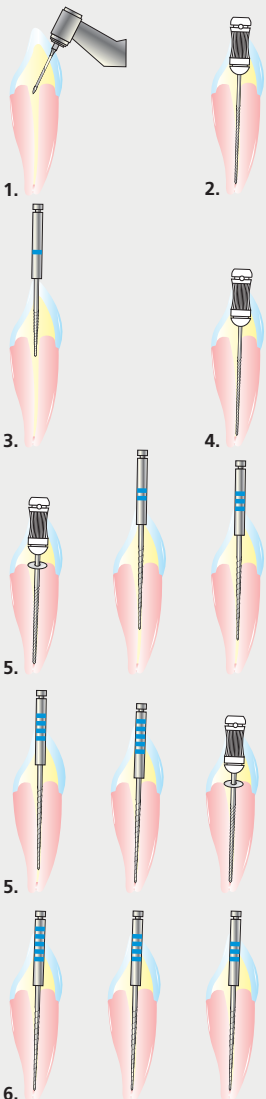
Continue the treatment with a file number 4 E5. In most cases, the apex of the canal is already reached.

If not, continue to work with a file number 5 E5.



Rotary system Endostar E5 / Big Apical Files

Product



If you have not yet reached canal working length, repeat all procedures starting from file number 2. Control measurement of the depth of the root canal by hand file K size 15 and flush the canal after every file.

6. Preparation of the apex

The preparation of the apex begins with file number 5, gradually changing the size of files. Start preparing with last used file and change the sequence numbers such as 5, 4, 3. The last instrument which should be used is file number 3. All instruments should reach the apex, thereby ending the treatment.

Finish the treatment with hand instrument confirming the patency of the canal working length.

If you need a wider apex preparation, continue with hand instruments of larger sizes such as 45, 50 etc.

In certain clinical cases Big Apical instruments should be used to get the properly treated apex.

Important notes about Endostar E5 rotary files

1. Use to work with an appropriate handpiece as to obtain the speed of 150-300 rpm. The speed of the contra angle/handpiece/micromotor should be constant during the canal treatment. During work do not use an excessive force, move the contra angle/handpiece/micromotor up and down ("pumping movement"). Work in canal as short as possible, and always use a wetting agent.

2. Files 5, 4, 3 should be used with a maximum of 5 times, if they are not evidently deformed. Files number 2 and 1 can be used 10-15 times, provided that they are not deformed and are used judiciously.

3. If the files have been subjected to high twisting forces, especially in highly curved canals, the dentist should consider using the files only once.

Recommended torques for E5 instruments:

File size	Torque (gcm)	Torque (Ncm)	Torque (Nm)	S5 Endo Motor settings
5	30 - 50	0,3 - 0,5	0,003 - 0,005	5
4	50 - 100	0,5 - 1,0	0,005 - 0,010	4
3	100 - 200	1,0 - 2,0	0,010 - 0,020	3
2	200 - 300	2,0 - 3,0	0,020 - 0,030	2
1	300 - 400	3,0 - 4,0	0,030 - 0,040	1

Working speed of the contra angle/ micromotor/ handpiece: 150 - 300 rotations/minute.

These levels should be treated as indicative and apply them to the closest values available in a particular type of equipment used (always use lower, not higher values). If the contra angle/handpiece/micromotor allow only the pre-determined values always choose lower value, not exceed the ranges specified above. The values are given in terms of different scientific units (gcm, Mcm etc) so as to easily adapt them the most commonly used equipment.

Big Apical Files Endostar

Big Apical files should be used in a situation, when the apical part of the canal is wide and the file number 5 E5 (tip size 20) is too narrow to make a proper apical treatment. The set consists of 4 files, all taper 4, sizes from 35 to 50, length 23 mm. The files have 3 colored rings as in ISO standard (35 - green, 40 - black, 45 - white, 50 - yellow), all come with endostops. The refills are packed in boxes of 6 pcs. They are packed in a yellow box, with silver Endostar label.



Big Apical Files / Starter Kit	eS5B355023	Big Apical Files / Refills	6 pcs
Size 35, 23 mm	1 pc	Size 35, 23 mm	eS5B003523
Size 40, 23 mm	1 pc	Size 40, 23 mm	eS5B004023
Size 45, 23 mm	1 pc	Size 45, 23 mm	eS5B004523
Size 50, 23 mm	1 pc	Size 50, 23 mm	eS5B005023

The files should be used with torques for number 3 E5 files (three stripes on the handle), ie:

File size	Torque (gcm)	Torque (Ncm)	Torque (Nm)	S5 Endo Motor settings
35, 40, 45, 50	100 - 200	1,0 - 2,0	0,010 - 0,020	3

Working speed of the contraangle/micromotor/handpiece: 150 - 300 rotations/minute.

If not deformed, they can be used up to 10 times.

NiTi TWO Endostar / GPR Endostar

Product

NiTi TWO Endostar

NiTi TWO Endostar is an economical system of nickel-titanium taper 2 files for easier, safer and quicker root canal treatment. They should be used in a traditional method - from smallest size to biggest size. They should be used as additional files to the tapered systems, with an endodontic contra-angle hand piece 150 - 300 rpm. They are packed in white boxes with silver Endostar label. Each files has 2 stripes on the handle - white for taper 2 and for the ISO size color



NiTi TWO / Refills	6 pcs	NiTi TWO / Intro Kit	ENT2205523
Size 20, 23 mm	ENT2002023	Assorted 20-55, 23 mm	8 pcs
Size 25, 23 mm	ENT2002523		
Size 30, 23 mm	ENT2003023		
Size 35, 23 mm	ENT2003523		
Size 40, 23 mm	ENT2004023		
Size 45, 23 mm	ENT2004523		
Size 50, 23 mm	ENT2005023		
Size 55, 23 mm	ENT2005523		

Recommended torques for system NiTi TWO

NiTi TWO	Torque (gcm)	Torque (Ncm)	Torque (Nm)	S5 Endo Motor settings
20, 25, 30, 35	50 - 100	0,5 - 1,0	0,005 - 0,010	4
40, 45, 50, 55	100 - 200	1,0 - 2,0	0,010 - 0,020	3

Working speed of the contra angle/micromotor/handpiece: 150 - 300 rotations/minute.

If not deformed, sizes 20, 25, 30, 35 can be used up to 5 times, sizes 40, 45, 50, 55 up to 10 times.

GPR - Gutta Percha Remover, Endostar

GPR Endostar instruments are used for removal of old gutta percha filling from the root canal system. GPR Endostar set consists of 4 instruments of different sizes and tapers marked with numbers from 1 to 4. The instruments are rather aggressive and should be used with standard endodontic motors working 150 - 300 rpm.

They remove the old gutta percha filling with great efficiency, enabling the dentists to do the re-endo procedures or some other endodontic treatment. GPR refills consist 6 instruments of the same size. They are packed in white box, with a silver Endostar label.



GPR / Refills	6 pcs	GPR / Intro Kit	EGPRN010423
Size 1, 17 mm	EGPRN000117	Assorted, 1-4	4 pcs
Size 2, 23 mm	EGPRN000223		
Size 3, 23 mm	EGPRN000323		
Size 4, 23 mm	EGPRN000423		

How to use them:

1. Apply a rubber dam (recommended).
2. Use GPR size 1 for the coronal part of the canal to remove the part of the guttapercha from 1/3 to 2/3 of the canal. If the instrument is too thick use smaller instrument sizes 2,3 or 4.
3. Use smaller instrument to remove gutta percha from the next part of the canal, repeat the procedure until you reach the apical part of the canal. Irrigate the canal as required.

Recommended torques for system GPR

File size	Torque (gcm)	Torque (Ncm)	Torque (Nm)	S5 Endo Motor settings
4	50 - 100	0,5 - 1,0	0,005 - 0,010	4
3	100 - 200	1,0 - 2,0	0,010 - 0,020	3
2	200 - 300	2,0 - 3,0	0,020 - 0,030	2
1	300 - 400	3,0 - 4,0	0,030 - 0,040	1

Working speed of the contra angle/micromotor/handpiece: 150 - 300 rotations/minute.

If not deformed, sizes 1 and 2 can be used up to 10 times, sizes 3-4 up to 5 times.



Endostar Line

Produkt

Endostar Line

Endostar is a new line of endodontic instruments (files and reamers), packed in crystal clear boxes, in which the instruments are well visible and from which they can be taken out separately, one by one, without opening the lid of the box.

The boxes are labeled with silver label, on which all the information is easily readable.

To complete the Endostar line, also other instruments such as: barbed broaches, paste fillers, spreaders, pluggers, gates and peeso are packed in the same crystal clear boxes with a silver Endostar label.

ENDOSTAR FILES AND REAMERS

All files and reamers of Endostar system are made of Swedish stainless steel (files S, H, K and reamers K) or an alloy of nickel titanium (NiTi S, H NiTi H, NiTi K, reamers NiTi KR) and plastic materials, which guarantee the highest quality of our products. They are designed for hand treatment.

At each handle of an Endostar instrument there is an indication of its size (6, 8, 10, 15, ..., 80) and type:

- H-file no ●
- K-file no ■
- S-file no S
- Reamer K no ▲
- NiTi H-file no N●
- NiTi K-file no N■
- NiTi S-file no NS
- Reamer NiTi-K no N▲
- S-finder S10



Steel instruments for root canal treatment, are produced in the 14 most commonly used sizes (no. 08 to 80) and 3 basic lengths (21, 25 and 28 mm).

Nickel-titanium instruments for root canal treatment are produced in 12 sizes (from 15 to 80) and 3 basic lengths (21, 25, 28 mm).

They come in packs of 6 pieces of one size or assorted 15-40, 45-80 (6 pcs in a box).

All instruments can be sterilized with hot, dry air at 180 °C or in a steam autoclave at 135 °C. Instruments can be disinfected in mild disinfectant liquids, and washed in ultrasonic cleaners. Very aggressive disinfectants or applied in excessive concentrations may cause an infringement of the structure of the material (from which the handle is made), may also cause discoloration of the type and size designation (of the instrument).

The same method of sterilizations is used for Barbed Broaches and Pastefillers.

All instruments are packed in crystal clear boxes with silver Endostar label, all instruments come with endostops on the blades.

Maximum, recommended usage of single instrument (ENDOSTAR), if visual inspection done by dentists shows that the instrument is not damaged:

ISO size	06	08	10	15	20	25	30	35	40	45	50	55	60	70	80
Name															
S-file	1	1	1	1-2	1-2	1-2	2-3	2-3	2-3	4-5	4-5	4-5	4-5	4-5	4-5
NiTi S-file				2-3	2-3	2-3	4-5	4-5	4-5	6-8	6-8	6-8	6-8	6-8	6-8
H-file	1	1	1	1-2	1-2	1-2	2-3	2-3	2-3	4-5	4-5	4-5	4-5	4-5	4-5
NiTi H-file				2-3	2-3	2-3	4-5	4-5	4-5	6-8	6-8	6-8	6-8	6-8	6-8
K-file	1	1	1	1-2	1-2	1-2	2-3	2-3	2-3	4-5	4-5	4-5	4-5	4-5	4-5
NiTi K-file				2-3	2-3	2-3	4-5	4-5	4-5	6-8	6-8	6-8	6-8	6-8	6-8
K-reamer	1	1	1	1-2	1-2	1-2	2-3	2-3	2-3	4-5	4-5	4-5	4-5	4-5	4-5
NiTi K-reamer				2-3	2-3	2-3	4-5	4-5	4-5	6-8	6-8	6-8	6-8	6-8	6-8
S-finder			1												



S-files / NiTi S-files Endostar

Product

S-files Endostar



Files with great cutting ability, are the most effective files for root canal treatment. They are designed as composition of two cutting edges of H-files. They can be used as files (up and down movement in the canal with a slight turn up to 90 degrees) or reamers (360 degrees turning movement in the canal). They have a millimeter scale etched on the blade (18 to 25mm from the tip), which facilitates the determination of the working length of the canal. Marked with "S".



S-files Endostar / Hand 6 pcs

ISO	21 mm	25 mm	28 mm
6	ESFH000621	ESFH000625	ESFH000628
8	ESFH000821	ESFH000825	ESFH000828
10	ESFH001021	ESFH001025	ESFH001028
15	ESFH001521	ESFH001525	ESFH001528
20	ESFH002021	ESFH002025	ESFH002028
25	ESFH002521	ESFH002525	ESFH002528
30	ESFH003021	ESFH003025	ESFH003028
35	ESFH003521	ESFH003525	ESFH003528
40	ESFH004021	ESFH004025	ESFH004028
45	ESFH004521	ESFH004525	ESFH004528
50	ESFH005021	ESFH005025	ESFH005028
55	ESFH005521	ESFH005525	ESFH005528
60	ESFH006021	ESFH006025	ESFH006028
70	ESFH007021	ESFH007025	ESFH007028
80	ESFH008021	ESFH008025	ESFH008028

S-files Endostar / Assorted 6 pcs

ISO	21 mm	25 mm	28 mm
15-40	ESFH154021	ESFH154025	ESFH154028
45-80	ESFH458021	ESFH458025	ESFH458028

NiTi S-files Endostar



The newest generation of files with a great cutting ability. The most effective files, like S-files, are designed as composition of two cutting edges of H-files. They can be used as files (up and down movement in the canal with a slight turn up to 90 degrees) or reamers (360 degrees turning movement in the canal).

NiTi S-files are made of nickel titanium alloy, so they are very flexible and safe instruments. Their resistance to bending is around 10 times greater than the resistance of the stainless steel instruments. They can be used in a very curved canals, which otherwise could not be treated with normal, stainless steel, instruments. There is no need to pre-bend NiTi files. The great flexibility of NiTi alloy instruments minimizes the risk of artificial straightening of the canal, wedging and perforating the canal. Marked with "NS".



NiTi S-files Endostar / Hand 6 pcs

ISO	21 mm	25 mm	28 mm
15	ENFH001521	ENFH001525	ENFH001528
20	ENFH002021	ENFH002025	ENFH002028
25	ENFH002521	ENFH002525	ENFH002528
30	ENFH003021	ENFH003025	ENFH003028
35	ENFH003521	ENFH003525	ENFH003528
40	ENFH004021	ENFH004025	ENFH004028
45	ENFH004521	ENFH004525	ENFH004528
50	ENFH005021	ENFH005025	ENFH005028
55	ENFH005521	ENFH005525	ENFH005528
60	ENFH006021	ENFH006025	ENFH006028
70	ENFH007021	ENFH007025	ENFH007028
80	ENFH008021	ENFH008025	ENFH008028

NiTi S-files Endostar / Assorted 6 pcs

ISO	21 mm	25 mm	28 mm
15-40	ENFH154021	ENFH154025	ENFH154028
45-80	ENFH458021	ENFH458025	ENFH458028

H-files / NiTi H-files Endostar

Product

H-files Endostar

The files with a great cutting ability, very effective, designed in a shape proposed by Dr Hedström.
Marked with: *no* ●



H-files Endostar / Hand				6 pcs
ISO	21 mm	25 mm	28 mm	
6	EHFH000621	EHFH000625	EHFH000628	
8	EHFH000821	EHFH000825	EHFH000828	
10	EHFH001021	EHFH001025	EHFH001028	
15	EHFH001521	EHFH001525	EHFH001528	
20	EHFH002021	EHFH002025	EHFH002028	
25	EHFH002521	EHFH002525	EHFH002528	
30	EHFH003021	EHFH003025	EHFH003028	
35	EHFH003521	EHFH003525	EHFH003528	
40	EHFH004021	EHFH004025	EHFH004028	
45	EHFH004521	EHFH004525	EHFH004528	
50	EHFH005021	EHFH005025	EHFH005028	
55	EHFH005521	EHFH005525	EHFH005528	
60	EHFH006021	EHFH006025	EHFH006028	
70	EHFH007021	EHFH007025	EHFH007028	
80	EHFH008021	EHFH008025	EHFH008028	

H-files Endostar / Assorted				6 pcs
ISO	21 mm	25 mm	28 mm	
15-40	EHFH154021	EHFH154025	EHFH154028	
45-80	EHFH458021	EHFH458025	EHFH458028	

NiTi H-files Endostar

Made of nickel titanium alloy - very flexible and safe instruments. Their resistance to bending is around 10 times greater than the resistance of the stainless steel instruments.



They can be used in a very curved canals, which otherwise could not be treated with normal, stainless steel, instruments. There is no need to pre-bend NiTi files.

The great flexibility of NiTi alloy instruments minimizes the risk of artificial straightening of the canal wedging and perforating. Marked with: *no* ●

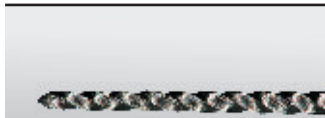


NiTi H-files Endostar / Hand				6 pcs
ISO	21 mm	25 mm	28 mm	
15	ENHH001521	ENHH001525	ENHH001528	
20	ENHH002021	ENHH002025	ENHH002028	
25	ENHH002521	ENHH002525	ENHH002528	
30	ENHH003021	ENHH003025	ENHH003028	
35	ENHH003521	ENHH003525	ENHH003528	
40	ENHH004021	ENHH004025	ENHH004028	
45	ENHH004521	ENHH004525	ENHH004528	
50	ENHH005021	ENHH005025	ENHH005028	
55	ENHH005521	ENHH005525	ENHH005528	
60	ENHH006021	ENHH006025	ENHH006028	
70	ENHH007021	ENHH007025	ENHH007028	
80	ENHH008021	ENHH008025	ENHH008028	

NiTi H-files Endostar / Assorted				6 pcs
ISO	21 mm	25 mm	28 mm	
15-40	ENHH154021	ENHH154025	ENHH154028	
45-80	ENHH458021	ENHH458025	ENHH458028	

K-files / NiTi K-files Endostar

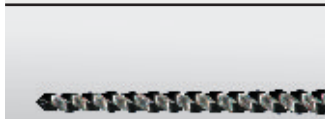
Product

**K-files Endostar**

Files with a tight spiral, designed in a shape proposed by dr. Kerr.
Marked with: *no* ■

K-files Endostar / Hand				6 pcs
ISO	21 mm	25 mm	28 mm	
6	EKFH000621	EKFH000625	EKFH000628	
8	EKFH000821	EKFH000825	EKFH000828	
10	EKFH001021	EKFH001025	EKFH001028	
15	EKFH001521	EKFH001525	EKFH001528	
20	EKFH002021	EKFH002025	EKFH002028	
25	EKFH002521	EKFH002525	EKFH002528	
30	EKFH003021	EKFH003025	EKFH003028	
35	EKFH003521	EKFH003525	EKFH003528	
40	EKFH004021	EKFH004025	EKFH004028	
45	EKFH004521	EKFH004525	EKFH004528	
50	EKFH005021	EKFH005025	EKFH005028	
55	EKFH005521	EKFH005525	EKFH005528	
60	EKFH006021	EKFH006025	EKFH006028	
70	EKFH007021	EKFH007025	EKFH007028	
80	EKFH008021	EKFH008025	EKFH008028	

K-files Endostarr / Assorted				6 pcs
ISO	21 mm	25 mm	28 mm	
15-40	EKFH154021	EKFH154025	EKFH154028	
45-80	EKFH458021	EKFH458025	EKFH458028	

**NiTi K-files Endostar**

Made of nickel titanium alloy - very flexible and safe instruments. Their resistance to bending is around 10 times greater than the resistance of the stainless steel instruments. Files with a tight spiral, designed in a shape proposed by dr. Kerr.

They can be used for very curved canals which are unavailable to conventional instruments, without the need for pre-bending.

Very good flexibility of these instruments, and its traditional shape, made of NiTi alloy significantly reduces the tendency to artificially straighten the canal, reduces the risk of the perforation.

NiTi K files are marked with: *no* ■

NiTi K-files Endostar / Hand				6 pcs
ISO	21 mm	25 mm	28 mm	
15	ENKH001521	ENKH001525	ENKH001528	
20	ENKH002021	ENKH002025	ENKH002028	
25	ENKH002521	ENKH002525	ENKH002528	
30	ENKH003021	ENKH003025	ENKH003028	
35	ENKH003521	ENKH003525	ENKH003528	
40	ENKH004021	ENKH004025	ENKH004028	
45	ENKH004521	ENKH004525	ENKH004528	
50	ENKH005021	ENKH005025	ENKH005028	
55	ENKH005521	ENKH005525	ENKH005528	
60	ENKH006021	ENKH006025	ENKH006028	
70	ENKH007021	ENKH007025	ENKH007028	
80	ENKH008021	ENKH008025	ENKH008028	

NiTi K-files Endostar / Assorted				6 pcs
ISO	21 mm	25 mm	28 mm	
15-40	ENKH154021	ENKH154025	ENKH154028	
45-80	ENKH458021	ENKH458025	ENKH458028	

K-reamers / NiTi K-reamers Endostar

Product

K-reamers Endostar

Reamers with a loose spiral, in a shape proposed by dr. Kerr, used with a rotating motion in a canal.
Marked with: *no* ▲



K-reamers Endostar / Hand 6 pcs

ISO	21 mm	25 mm	28 mm
6	EKRH000621	EKRH000625	EKRH000628
8	EKRH000821	EKRH000825	EKRH000828
10	EKRH001021	EKRH001025	EKRH001028
15	EKRH001521	EKRH001525	EKRH001528
20	EKRH002021	EKRH002025	EKRH002028
25	EKRH002521	EKRH002525	EKRH002528
30	EKRH003021	EKRH003025	EKRH003028
35	EKRH003521	EKRH003525	EKRH003528
40	EKRH004021	EKRH004025	EKRH004028
45	EKRH004521	EKRH004525	EKRH004528
50	EKRH005021	EKRH005025	EKRH005028
55	EKRH005521	EKRH005525	EKRH005528
60	EKRH006021	EKRH006025	EKRH006028
70	EKRH007021	EKRH007025	EKRH007028
80	EKRH008021	EKRH008025	EKRH008028

K-reamers Endostar / Assorted 6 pcs

ISO	21 mm	25 mm	28 mm
15-40	EKRH154021	EKRH154025	EKRH154028
45-80	EKRH458021	EKRH458025	EKRH458028

NiTi K-reamers Endostar

Made of nickel titanium alloy, as flexible and safe instruments. Reamers with a loose spiral, in a shape proposed by dr. Kerr, used with a rotating motion in a canal.



They can be used for very curved canals which are unavailable to conventional instruments, without the need for pre-bending.

Very good flexibility of these instruments, and its traditional shape, made of NiTi alloy significantly reduces the tendency to artificially straighten the canal, reduces the risk of the perforation.

NiTi K reamers are marked with: *no* ▲



NiTi H-reamers Endostar / ręczne 6 pcs

ISO	21 mm	25 mm	28 mm
15	ENRH001521	ENRH001525	ENRH001528
20	ENRH002021	ENRH002025	ENRH002028
25	ENRH002521	ENRH002525	ENRH002528
30	ENRH003021	ENRH003025	ENRH003028
35	ENRH003521	ENRH003525	ENRH003528
40	ENRH004021	ENRH004025	ENRH004028
45	ENRH004521	ENRH004525	ENRH004528
50	ENRH005021	ENRH005025	ENRH005028
55	ENRH005521	ENRH005525	ENRH005528
60	ENRH006021	ENRH006025	ENRH006028
70	ENRH007021	ENRH007025	ENRH007028
80	ENRH008021	ENRH008025	ENRH008028

NiTi H-reamers Endostar/Assorted 6 pcs

ISO	21 mm	25 mm	28 mm
15-40	ENRH154021	ENRH154025	ENRH154028
45-80	ENRH458021	ENRH458025	ENRH458028

S-finder / Nerveextractors / Paste Fillers Endostar

Product

**S-finder Endostar**

S-finders Endostar are special endodontic instruments to be used for searching, localizing and penetrating the canal. Thin, flexible and firm, S-finders are very good hand and machine driven instruments, especially when used in thin and curved canals.

They are easily differentiated by orange handle (color not used in ISO standard). They also have an etched millimeter scale on the blades for determination of canal depth. They are marked on the handle by "S10". Available in one size no 10 and two lengths 18 & 21 mm, packed 6 pieces in a box.

S-finder / Hand

Size	18 mm	21 mm
10	6 pcs	EFIH001018 EFIH001021

**Endostar Nerveextractors**

Nerveextractor (barbed broach) is one of the first and the oldest endodontic instruments. Produced from stainless steel of high quality with plastic handle, ISO standard color coded. They are packed, 6 pcs in a crystal clear box with a silver Endostar label.

Nerveextractors		6 pcs	Assorted	6 pcs
ISO		25 mm	15-40	EBBR154025
10	xxxx-fine	EBBR001025		
15	xxx-fine	EBBR001525		
20	xx-fine	EBBR002025		
25	x-fine	EBBR002525		
30	fine	EBBR003025		
35	medium	EBBR003525		
40	coarse	EBBR004025		

**Paste Fillers (with or without spring) Endostar**

Spiral, conical instrument, used for filling the canal with pastes, sealers and cements. Paste fillers with spring have an additional, tight spring at the metal handle, for better flexibility and much safer work. The gold colored handle with a ISO size color ring facilitates paste filler localization among other machine instruments.

Produced in 4 basic sizes (no 25 - red, no 30 - blue, no 35 - green, no 40 - black) and 4 lengths (17, 21, 25, 29 mm), paste fillers are always packed 4 pcs/box, either assorted (1 paste filler of each size in a box) or in one size (4 paste fillers of the same size in a box). Packed in crystal clear box with silver Endostar label.

Paste Fillers with spring				4 pcs
ISO	17 mm	21 mm	25 mm	29 mm
25	EPFL002517	EPFL002521	EPFL002525	EPFL002529
30	EPFL003017	EPFL003021	EPFL003025	EPFL003029
35	EPFL003517	EPFL003521	EPFL003525	EPFL003529
40	EPFL004017	EPFL004021	EPFL004025	EPFL004029
Assorted / 4 pcs				
25-40	EPFL254017	EPFL254021	EPFL254025	EPFL254029
25, 1 pc, length 17, 21, 25, 29 mm		EPFL002500		

Paste Fillers without spring				4 pcs
ISO	17 mm	21 mm	25 mm	29 mm
25	EPFN002517	EPFN002521	EPFN002525	EPFN002529
30	EPFN003017	EPFN003021	EPFN003025	EPFN003029
35	EPFN003517	EPFN003521	EPFN003525	EPFN003529
40	EPFN004017	EPFN004021	EPFN004025	EPFN004029
Assorted / 4 pcs				
25-40	EPFN254017	EPFN254021	EPFN254025	EPFN254029
25, 1 pc, length 17, 21, 25, 29 mm		EPFN002500		

Pluggers / Spreaders / Gates / Peeso Endostar

Product

Gutta-percha Pluggers Endostar and Spreaders Endostar

Pluggers are used mainly for lateral and also vertical (apical) condensation of gutta percha, spreaders are used for apical condensation of gutta percha. Both instruments are produced from stainless steel or nickel titanium alloy and special quality plastic materials. There are several basic sizes of the instruments in one length 25 mm, color coded according to ISO standard.

The marking on the handle is "P" for stainless steel plugger and "NP" for NITI plugger, "SP" for the stainless steel spreader and "N" for the NITI spreader.

They are packed in crystal clear box with silver Endostar label. They have an endostop on the blade of the instrument.

They can be sterilized with hot, dry air at 180 °C or in a steam autoclave at 135 °C, disinfected in mild disinfectant liquids, and washed in ultrasonic cleaners.

Markings:

Plugger, stainless steel	N ²
Plugger, NITI	N ² N
Spreader, stainless steel	N ²
Spreader, NITI	N ² N



Pluggers	6 pcs	
----------	-------	--

ISO	25 mm steel	25 mm NiTi
15	EPLG001525	EPTG001525
20	EPLG002025	EPTG002025
25	EPLG002525	EPTG002525
30	EPLG003025	EPTG003025
35	EPLG003525	EPTG003525
40	EPLG004025	EPTG004025
45	EPLG004525	EPTG004525
50	EPLG005025	EPTG005025
55	EPLG005525	EPTG005525
60	EPLG006025	EPTG006025
70	EPLG007025	EPTG007025
80	EPLG008025	EPTG008025

Assorted / 6 pcs		
------------------	--	--

15-40	EPLG154025	EPTG154025
45-80	EPLG458025	EPTG458025

Spreaders	6 pcs	
-----------	-------	--

ISO	25 mm steel	25 mm NiTi
10	ESPD001025	ESTD001025
15	ESPD001525	ESTD001525
20	ESPD002025	ESTD002025
25	ESPD002525	ESTD002525
30	ESPD003025	ESTD003025
35	ESPD003525	ESTD003525
40	ESPD004025	ESTD004025
45	ESPD004525	ESTD004525

Assorted / 6 pcs		
------------------	--	--

15-40	ESPD154025	ESTD154025
-------	-------------------	-------------------

Endostar GATES and PEESO reamers

Machine driven instruments, are used for opening the canal and for coronal part of the canal treatment. They can be sterilized by hot dry air or autoclaved. The crystal clear box with a silver label contains 6 instruments, assorted sizes 1 to 6, or 6 instruments of the same size.

They can be sterilized with hot, dry air at 180 °C or in a steam autoclave at 135 °C, disinfected in disinfectant liquids, and washed in ultrasonic cleaners.

Gates reamers	6 pcs	
---------------	-------	--

Size		
01	EGAE000119	
02	EGAE000219	
03	EGAE000319	
04	EGAE000419	
05	EGAE000519	
06	EGAE000619	

Assorted / 6 pcs		
------------------	--	--

01-06	EGAE010619	
-------	-------------------	--

Peeso reamers	6 pcs	
---------------	-------	--

Size		
01	EPEE000119	
02	EPEE000219	
03	EPEE000319	
04	EPEE000419	
05	EPEE000519	
06	EPEE000619	

Assorted / 6 pcs		
------------------	--	--

01-06	EPEE010619	
-------	-------------------	--

Root canal instruments

Product



Root canal instruments

All instruments (files, reamers, paste fillers, nerveextractors, rat tails, probes etc.), can be sterilized by hot, dry air in temperature up to 180° C and can be autoclaved in temperature up to 135° C. The blades of the instruments can be also sterilized in bead sterilizers.

All files and reamers are packed in boxes with endostops.

Instruments for root canal treatment S-files, NiTi S-files, H-files, NiTi H-files, K-files, NiTi K-files, K-reamers, NiTi K-reamers, S-finder.

All instruments are produced from stainless steel (S, H, K files, K-reamers) or nickel titanium wire (NiTi S, NiTi H, NiTi K-files, NiTi K-reamers) and special plastic materials. Those materials guarantee a very high quality of the products. All root canal instruments can be for either manual or machine treatment.

Root canal instruments are produced in 14 most frequently used sizes (no 08 to 80) and 3 basic lengths (21, 25, 28 mm). Rarely used 6 sizes (90-140) are also produced in stainless steel. On a special request we can also produce instruments no 15 to 80 in length 31 mm.

Instruments are packed in boxes, 6 pieces assorted 15-40, 45-80, 90-140 or 6 instruments of one size.

Maximum, recommended usage of single instrument, if visual inspection done by a dentists shows that the instrument is not damaged

ISO size	06	08	10	15	20	25	30	35	40
Name									
S-file	1	1	1	1-2	1-2	1-2	2-3	2-3	2-3
NiTi S-file				2-3	2-3	2-3	4-5	4-5	4-5
H-file	1	1	1	1-2	1-2	1-2	2-3	2-3	2-3
NiTi H-file				2-3	2-3	2-3	4-5	4-5	4-5
K-file	1	1	1	1-2	1-2	1-2	2-3	2-3	2-3
NiTi K-file				2-3	2-3	2-3	4-5	4-5	4-5
K-reamer	1	1	1	1-2	1-2	1-2	2-3	2-3	2-3
NiTi K-reamer				2-3	2-3	2-3	4-5	4-5	4-5
S-finder			1						

ISO size	45	50	55	60	70	80	90	100	110	120	130	140
Name												
S-file	4-5	4-5	4-5	4-5	4-5	4-5	8-10	8-10	8-10	8-10	8-10	8-10
NiTi S-file	6-8	6-8	6-8	6-8	6-8	6-8						
H-file	4-5	4-5	4-5	4-5	4-5	4-5	8-10	8-10	8-10	8-10	8-10	8-10
NiTi H-file	6-8	6-8	6-8	6-8	6-8	6-8						
K-file	4-5	4-5	4-5	4-5	4-5	4-5	8-10	8-10	8-10	8-10	8-10	8-10
NiTi K-file	6-8	6-8	6-8	6-8	6-8	6-8						
K-reamer	4-5	4-5	4-5	4-5	4-5	4-5	8-10	8-10	8-10	8-10	8-10	8-10
NiTi K-reamer	6-8	6-8	6-8	6-8	6-8	6-8						



S-files / NiTi S-files

Product

S-files

Files with great cutting ability, are the most effective files for root canal treatment. They are designed as composition of two cutting edges of H-files. They can be used as files (up and down movement in the canal with a slight turn up to 90 degrees) or reamers (360 degrees turning movement in the canal). They have a millimeter scale etched on the blade (18 to 25 mm from the tip), which facilitates the determination of the working length of the canal.

S-files / Hand					6 pcs
ISO	21 mm	25 mm	28 mm	31 mm	
06	SFH000621	SFH000625	SFH000628	SFH000631	
08	SFH000821	SFH000825	SFH000828	SFH000831	
10	SFH001021	SFH001025	SFH001028	SFH001031	
15	SFH001521	SFH001525	SFH001528	SFH001531	
20	SFH002021	SFH002025	SFH002028	SFH002031	
25	SFH002521	SFH002525	SFH002528	SFH002531	
30	SFH003021	SFH003025	SFH003028	SFH003031	
35	SFH003521	SFH003525	SFH003528	SFH003531	
40	SFH004021	SFH004025	SFH004028	SFH004031	
45	SFH004521	SFH004525	SFH004528	SFH004531	
50	SFH005021	SFH005025	SFH005028	SFH005031	
55	SFH005521	SFH005525	SFH005528	SFH005531	
60	SFH006021	SFH006025	SFH006028	SFH006031	
70	SFH007021	SFH007025	SFH007028	SFH007031	
80	SFH008021	SFH008025	SFH008028	SFH008031	

Assorted / 6 pcs

15-40	SFH154021	SFH154025	SFH154028	SFH154031	
45-80	SFH458021	SFH458025	SFH458028	SFH458031	
90-140	—	SFH901425	—	—	

S-files / Engine				6 pcs
ISO	21 mm	25 mm	28 mm	
15	SFE001521	SFE001525	SFE001528	
20	SFE002021	SFE002025	SFE002028	
25	SFE002521	SFE002525	SFE002528	
30	SFE003021	SFE003025	SFE003028	
35	SFE003521	SFE003525	SFE003528	
40	SFE004021	SFE004025	SFE004028	
45	SFE004521	SFE004525	SFE004528	
50	SFE005021	SFE005025	SFE005028	
55	SFE005521	SFE005525	SFE005528	
60	SFE006021	SFE006025	SFE006028	
70	SFE007021	SFE007025	SFE007028	
80	SFE008021	SFE008025	SFE008028	

Assorted / 6 pcs

15-40	SFE154021	SFE154025	SFE154028	
45-80	SFE458021	SFE458025	SFE458028	

S-files / Hand / 6 pcs

ISO	25 mm
90	SFH009025
100	SFH010025
110	SFH011025
120	SFH012025
130	SFH013025
140	SFH014025

NiTi S-files

The newest generation of files with a great cutting ability. The most effective files, like S-files, are designed as composition of two cutting edges of H-files. They can be used as files (up and down movement in the canal with a slight turn up to 90 degrees) or reamers (360 degrees turning movement in the canal).

NiTi S-files / Hand				6 pcs
ISO	21 mm	25 mm	28 mm	
15	NFH001521	NFH001525	NFH001528	
20	NFH002021	NFH002025	NFH002028	
25	NFH002521	NFH002525	NFH002528	
30	NFH003021	NFH003025	NFH003028	
35	NFH003521	NFH003525	NFH003528	
40	NFH004021	NFH004025	NFH004028	
45	NFH004521	NFH004525	NFH004528	
50	NFH005021	NFH005025	NFH005028	
55	NFH005521	NFH005525	NFH005528	
60	NFH006021	NFH006025	NFH006028	
70	NFH007021	NFH007025	NFH007028	
80	NFH008021	NFH008025	NFH008028	

Assorted / 6 pcs

15-40	NFH154021	NFH154025	NFH154028	
45-80	NFH458021	NFH458025	NFH458028	

NiTi S-files / Engine				6 pcs
ISO	21 mm	25 mm	28 mm	
15	NFE001521	NFE001525	NFE001528	
20	NFE002021	NFE002025	NFE002028	
25	NFE002521	NFE002525	NFE002528	
30	NFE003021	NFE003025	NFE003028	
35	NFE003521	NFE003525	NFE003528	
40	NFE004021	NFE004025	NFE004028	
45	NFE004521	NFE004525	NFE004528	
50	NFE005021	NFE005025	NFE005028	
55	NFE005521	NFE005525	NFE005528	
60	NFE006021	NFE006025	NFE006028	
70	NFE007021	NFE007025	NFE007028	
80	NFE008021	NFE008025	NFE008028	

Assorted / 6 pcs

15-40	NFE154021	NFE154025	NFE154028	
45-80	NFE458021	NFE458025	NFE458028	

H-files / NiTi H-files

Product

H-files

The files with a great cutting ability, very effective, designed in a shape proposed by Dr Hedström.

H-files / Hand					6 pcs
ISO	21 mm	25 mm	28 mm	31 mm	
06	HFH000621	HFH000625	HFH000628	HFH000631	
08	HFH000821	HFH000825	HFH000828	HFH000831	
10	HFH001021	HFH001025	HFH001028	HFH001031	
15	HFH001521	HFH001525	HFH001528	HFH001531	
20	HFH002021	HFH002025	HFH002028	HFH002031	
25	HFH002521	HFH002525	HFH002528	HFH002531	
30	HFH003021	HFH003025	HFH003028	HFH003031	
35	HFH003521	HFH003525	HFH003528	HFH003531	
40	HFH004021	HFH004025	HFH004028	HFH004031	
45	HFH004521	HFH004525	HFH004528	HFH004531	
50	HFH005021	HFH005025	HFH005028	HFH005031	
55	HFH005521	HFH005525	HFH005528	HFH005531	
60	HFH006021	HFH006025	HFH006028	HFH006031	
70	HFH007021	HFH007025	HFH007028	HFH007031	
80	HFH008021	HFH008025	HFH008028	HFH008031	

Assorted / 6 pcs

15-40	HFH154021	HFH154025	HFH154028	HFH154031	
45-80	HFH458021	HFH458025	HFH458028	HFH458031	
90-140	—	HFH901425	—	—	

H-files / Engine				6 pcs
ISO	21 mm	25 mm	28 mm	
15	HFE001521	HFE001525	HFE001528	
20	HFE002021	HFE002025	HFE002028	
25	HFE002521	HFE002525	HFE002528	
30	HFE003021	HFE003025	HFE003028	
35	HFE003521	HFE003525	HFE003528	
40	HFE004021	HFE004025	HFE004028	
45	HFE004521	HFE004525	HFE004528	
50	HFE005021	HFE005025	HFE005028	
55	HFE005521	HFE005525	HFE005528	
60	HFE006021	HFE006025	HFE006028	
70	HFE007021	HFE007025	HFE007028	
80	HFE008021	HFE008025	HFE008028	

Assorted / 6 pcs

15-40	HFE154021	HFE154025	HFE154028	
45-80	HFE458021	HFE458025	HFE458028	

H-files / Hand / 6 pcs

ISO	25 mm
90	HFH009025
100	HFH010025
110	HFH011025
120	HFH012025
130	HFH013025
140	HFH014025

NiTi H-files

Made of nickel titanium alloy - very flexible and safe instruments. Their resistance to bending is around 10 times greater than the resistance of the stainless steel instruments.

They can be used in a very curved canals, which otherwise could not be treated with normal, stainless steel, instruments. There is no need to pre-bend NiTi files.

The great flexibility of NiTi alloy instruments minimizes the risk of artificial straightening of the canal. ledging and perforating the canal.

NiTi H-files / Hand				6 pcs
ISO	21 mm	25 mm	28 mm	
15	NHH001521	NHH001525	NHH001528	
20	NHH002021	NHH002025	NHH002028	
25	NHH002521	NHH002525	NHH002528	
30	NHH003021	NHH003025	NHH003028	
35	NHH003521	NHH003525	NHH003528	
40	NHH004021	NHH004025	NHH004028	
45	NHH004521	NHH004525	NHH004528	
50	NHH005021	NHH005025	NHH005028	
55	NHH005521	NHH005525	NHH005528	
60	NHH006021	NHH006025	NHH006028	
70	NHH007021	NHH007025	NHH007028	
80	NHH008021	NHH008025	NHH008028	

Assorted / 6 pcs

15-40	NHH154021	NHH154025	NHH154028	
45-80	NHH458021	NHH458025	NHH458028	

NiTi H-files / Engine				6 pcs
ISO	21 mm	25 mm	28 mm	
15	NHE001521	NHE001525	NHE001528	
20	NHE002021	NHE002025	NHE002028	
25	NHE002521	NHE002525	NHE002528	
30	NHE003021	NHE003025	NHE003028	
35	NHE003521	NHE003525	NHE003528	
40	NHE004021	NHE004025	NHE004028	
45	NHE004521	NHE004525	NHE004528	
50	NHE005021	NHE005025	NHE005028	
55	NHE005521	NHE005525	NHE005528	
60	NHE006021	NHE006025	NHE006028	
70	NHE007021	NHE007025	NHE007028	
80	NHE008021	NHE008025	NHE008028	

Assorted / 6 pcs

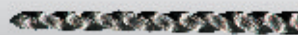
15-40	NHE154021	NHE154025	NHE154028	
45-80	NHE458021	NHE458025	NHE458028	

K-files / NiTi K-files

Product

K-files

Files with a tight spiral, designed in a shape proposed by dr. Kerr.



K-files / Hand 6 pcs

ISO	21 mm	25 mm	28 mm	31 mm
06	KFH000621	KFH000625	KFH000628	KFH000631
08	KFH000821	KFH000825	KFH000828	KFH000831
10	KFH001021	KFH001025	KFH001028	KFH001031
15	KFH001521	KFH001525	KFH001528	KFH001531
20	KFH002021	KFH002025	KFH002028	KFH002031
25	KFH002521	KFH002525	KFH002528	KFH002531
30	KFH003021	KFH003025	KFH003028	KFH003031
35	KFH003521	KFH003525	KFH003528	KFH003531
40	KFH004021	KFH004025	KFH004028	KFH004031
45	KFH004521	KFH004525	KFH004528	KFH004531
50	KFH005021	KFH005025	KFH005028	KFH005031
55	KFH005521	KFH005525	KFH005528	KFH005531
60	KFH006021	KFH006025	KFH006028	KFH006031
70	KFH007021	KFH007025	KFH007028	KFH007031
80	KFH008021	KFH008025	KFH008028	KFH008031

Assorted / 6 pcs

15-40	KFH154021	KFH154025	KFH154028	KFH154031
45-80	KFH458021	KFH458025	KFH458028	KFH458031
90-140	—	KFH901425	—	—

K-files / Engine 6 pcs

ISO	21 mm	25 mm	28 mm
15	KFE001521	KFE001525	KFE001528
20	KFE002021	KFE002025	KFE002028
25	KFE002521	KFE002525	KFE002528
30	KFE003021	KFE003025	KFE003028
35	KFE003521	KFE003525	KFE003528
40	KFE004021	KFE004025	KFE004028
45	KFE004521	KFE004525	KFE004528
50	KFE005021	KFE005025	KFE005028
55	KFE005521	KFE005525	KFE005528
60	KFE006021	KFE006025	KFE006028
70	KFE007021	KFE007025	KFE007028
80	KFE008021	KFE008025	KFE008028

Assorted / 6 pcs

15-40	KFE154021	KFE154025	KFE154028
45-80	KFE458021	KFE458025	KFE458028

K-files / Hand / 6 pcs

ISO	25 mm
90	KFH009025
100	KFH010025
110	KFH011025
120	KFH012025
130	KFH013025
140	KFH014025

NiTi K-files

Made of nickel titanium alloy - very flexible and safe instruments. Their resistance to bending is around 10 times greater than the resistance of the stainless steel instruments. Files with a tight spiral, designed in a shape proposed by dr. Kerr.



NiTi K-files / Hand 6 pcs

ISO	21 mm	25 mm	28 mm
15	NKH001521	NKH001525	NKH001528
20	NKH002021	NKH002025	NKH002028
25	NKH002521	NKH002525	NKH002528
30	NKH003021	NKH003025	NKH003028
35	NKH003521	NKH003525	NKH003528
40	NKH004021	NKH004025	NKH004028
45	NKH004521	NKH004525	NKH004528
50	NKH005021	NKH005025	NKH005028
55	NKH005521	NKH005525	NKH005528
60	NKH006021	NKH006025	NKH006028
70	NKH007021	NKH007025	NKH007028
80	NKH008021	NKH008025	NKH008028

Assorted / 6 pcs

15-40	NKH154021	NKH154025	NKH154028
45-80	NKH458021	NKH458025	NKH458028

NiTi K-files / Engine 6 pcs

ISO	21 mm	25 mm	28 mm
15	NKE001521	NKE001525	NKE001528
20	NKE002021	NKE002025	NKE002028
25	NKE002521	NKE002525	NKE002528
30	NKE003021	NKE003025	NKE003028
35	NKE003521	NKE003525	NKE003528
40	NKE004021	NKE004025	NKE004028
45	NKE004521	NKE004525	NKE004528
50	NKE005021	NKE005025	NKE005028
55	NKE005521	NKE005525	NKE005528
60	NKE006021	NKE006025	NKE006028
70	NKE007021	NKE007025	NKE007028
80	NKE008021	NKE008025	NKE008028

Assorted / 6 pcs

15-40	NKE154021	NKE154025	NKE154028
45-80	NKE458021	NKE458025	NKE458028

K-reamers / NiTi K-reamers

Product

K-reamers

Reamers with a loose spiral, in a shape proposed by dr. Kerr, used with a rotating motion in a canal.



K-reamers / Hand 6 pcs

ISO	21 mm	25 mm	28 mm	31 mm
06	KRH000621	KRH000625	KRH000628	KRH000631
08	KRH000821	KRH000825	KRH000828	KRH000831
10	KRH001021	KRH001025	KRH001028	KRH001031
15	KRH001521	KRH001525	KRH001528	KRH001531
20	KRH002021	KRH002025	KRH002028	KRH002031
25	KRH002521	KRH002525	KRH002528	KRH002531
30	KRH003021	KRH003025	KRH003028	KRH003031
35	KRH003521	KRH003525	KRH003528	KRH003531
40	KRH004021	KRH004025	KRH004028	KRH004031
45	KRH004521	KRH004525	KRH004528	KRH004531
50	KRH005021	KRH005025	KRH005028	KRH005031
55	KRH005521	KRH005525	KRH005528	KRH005531
60	KRH006021	KRH006025	KRH006028	KRH006031
70	KRH007021	KRH007025	KRH007028	KRH007031
80	KRH008021	KRH008025	KRH008028	KRH008031

Assorted / 6 pcs

15-40	KRH154021	KRH154025	KRH154028	KRH154031
45-80	KRH458021	KRH458025	KRH458028	KRH458031
90-140	—	KRH901425	—	—

K-reamers / Engine 6 pcs

ISO	21 mm	25 mm	28 mm
15	KRE001521	KRE001525	KRE001528
20	KRE002021	KRE002025	KRE002028
25	KRE002521	KRE002525	KRE002528
30	KRE003021	KRE003025	KRE003028
35	KRE003521	KRE003525	KRE003528
40	KRE004021	KRE004025	KRE004028
45	KRE004521	KRE004525	KRE004528
50	KRE005021	KRE005025	KRE005028
55	KRE005521	KRE005525	KRE005528
60	KRE006021	KRE006025	KRE006028
70	KRE007021	KRE007025	KRE007028
80	KRE008021	KRE008025	KRE008028

Assorted / 6 pcs

15-40	KRE154021	KRE154025	KRE154028
45-80	KRE458021	KRE458025	KRE458028

K-reamers / Hand / 6 pcs

ISO	25 mm
90	KRH009025
100	KRH010025
110	KRH011025
120	KRH012025
130	KRH013025
140	KRH014025

NiTi K-reamers

Made of nickel titanium alloy, as flexible and safe instruments. Reamers with a loose spiral, in a shape proposed by dr. Kerr, used with a rotating motion in a canal.



NiTi K-reamers / Hand 6 pcs

ISO	21 mm	25 mm	28 mm
15	NRH001521	NRH001525	NRH001528
20	NRH002021	NRH002025	NRH002028
25	NRH002521	NRH002525	NRH002528
30	NRH003021	NRH003025	NRH003028
35	NRH003521	NRH003525	NRH003528
40	NRH004021	NRH004025	NRH004028
45	NRH004521	NRH004525	NRH004528
50	NRH005021	NRH005025	NRH005028
55	NRH005521	NRH005525	NRH005528
60	NRH006021	NRH006025	NRH006028
70	NRH007021	NRH007025	NRH007028
80	NRH008021	NRH008025	NRH008028

Assorted / 6 pcs

15-40	NRH154021	NRH154025	NRH154028
45-80	NRH458021	NRH458025	NRH458028

NiTi K-reamers / Engine 6 pcs

ISO	21 mm	25 mm	28 mm
15	NRE001521	NRE001525	NRE001528
20	NRE002021	NRE002025	NRE002028
25	NRE002521	NRE002525	NRE002528
30	NRE003021	NRE003025	NRE003028
35	NRE003521	NRE003525	NRE003528
40	NRE004021	NRE004025	NRE004028
45	NRE004521	NRE004525	NRE004528
50	NRE005021	NRE005025	NRE005028
55	NRE005521	NRE005525	NRE005528
60	NRE006021	NRE006025	NRE006028
70	NRE007021	NRE007025	NRE007028
80	NRE008021	NRE008025	NRE008028

Assorted / 6 pcs

15-40	NRE154021	NRE154025	NRE154028
45-80	NRE458021	NRE458025	NRE458028

S-finder / Nerveextractors / Paste Fillers

Product

S-finder

S-finders are special endodontic instruments to be used for searching, localizing and penetrating the canal. Thin, flexible and firm, S-finders are very good hand and machine driven instruments, especially when used in thin and curved canals.

They are easily differentiated by orange handle (color not used in ISO standard). They also have an etched millimeter scale on the blades for determination of canal depth. Available in one size no 10 and two lengths 18 and 21 mm, packed 6 pieces in a box.



S-finder / Hand

Size	18 mm	21 mm
10	6 pcs	FIH001018 FIH001021

S-finder / Engine

Size	18 mm	21 mm
10	6 pcs	FIE001018 FIE001021

Nerveextractors

Nerveextractor is one of the first and the oldest endodontic instruments. Produced from stainless steel of high quality, it is for hand use only with plastic handle, ISO standard color coded.



Nerveextractors			6 pcs	Assorted	6 pcs
ISO			25 mm	15-40	BBR154025
10	xxxx-fine	BBR001025			
15	xxx-fine	BBR001525			
20	xx-fine	BBR002025			
25	x-fine	BBR002525			
30	fine	BBR003025			
35	medium	BBR003525			
40	coarse	BBR004025			

Paste Fillers (with or without spring)

Spiral, conical instrument, used for filling the canal with pastes, sealers and cements. Paste fillers with spring have an additional, tight spring at the metal handle, for better flexibility and much safer work. The gold colored handle with a ISO size color ring facilitates paste filler localization among other machine instruments. Produced in 4 basic sizes (no 25 - red, no 30 - blue, no 35 - green, no 40 - black) and 4 lengths (17, 21, 25, 29 mm), paste fillers are always packed 4 pcs/box, either assorted (1 paste filler of each size in a box) or in one size (4 paste fillers of the same size in a box). Packed in white box with white label, can be sterilized with hot, dry air at 180° C or in a steam autoclave at 135° C and disinfected in disinfectant liquids, and washed in ultrasonic cleaners.



Paste Fillers with spring				4 pcs
ISO	17 mm	21 mm	25 mm	29 mm
25	PFL002517	PFL002521	PFL002525	PFL002529
30	PFL003017	PFL003021	PFL003025	PFL003029
35	PFL003517	PFL003521	PFL003525	PFL003529
40	PFL004017	PFL004021	PFL004025	PFL004029
Assorted / 4 pcs				
25-40	PFL254017	PFL254021	PFL254025	PFL254029
25, 1 pc, length 17, 21, 25, 29 mm	PFL002500			



Paste Fillers without spring				4 pcs
ISO	17 mm	21 mm	25 mm	29 mm
25	PFN002517	PFN002521	PFN002525	PFN002529
30	PFN003017	PFN003021	PFN003025	PFN003029
35	PFN003517	PFN003521	PFN003525	PFN003529
40	PFN004017	PFN004021	PFN004025	PFN004029
Assorted / 4 pcs				
25-40	PFN254017	PFN254021	PFN254025	PFN254029
25, 1 pc, length 17, 21, 25, 29 mm	PFN002500			

Pluggers / Spreaders / Gates / Peeso

Product

Guttapercha Pluggers and Spreaders

Pluggers are used mainly for lateral and also vertical (apical) condensation of gutta percha, spreaders are used apical condensation of gutta percha. Both instruments are produced from stainless steel or nickel titanium alloy and special quality plastic materials. There are several basic sizes of the instruments in one length 25 mm, color coded according to ISO standard.

Packed in white boxes with white label, can be sterilized with hot, dry air at 180 °C or in a steam autoclave at 135 °C and disinfected in mild disinfectant liquids, and washed in ultrasonic cleaners.



Pluggers			6 pcs			Spreaders			6 pcs		
ISO	25 mm steel	25 mm NiTi	ISO	25 mm steel	25 mm NiTi	ISO	25 mm steel	25 mm NiTi	ISO	25 mm steel	25 mm NiTi
15	PLG001525	PTG001525	10	SPD001025	STD001025						
20	PLG002025	PTG002025	15	SPD001525	STD001525						
25	PLG002525	PTG002525	20	SPD002025	STD002025						
30	PLG003025	PTG003025	25	SPD002525	STD002525						
35	PLG003525	PTG003525	30	SPD003025	STD003025						
40	PLG004025	PTG004025	35	SPD003525	STD003525						
45	PLG004525	PTG004525	40	SPD004025	STD004025						
50	PLG005025	PTG005025	45	SPD004525	STD004525						
55	PLG005525	PTG005525	Assorted / 6 pcs								
60	PLG006025	PTG006025	15-40	SPD154025	STD154025						
70	PLG007025	PTG007025									
80	PLG008025	PTG008025									
Assorted / 6 pcs											
15-40	PLG154025	PTG154025									
45-80	PLG458025	PTG458025									

GATES and PEESO reamers

Machine driven instruments, are used for opening the canal and for coronal part of the canal treatment. They can be sterilized by hot dry air or autoclaved. The box contains 6 instruments, assorted sizes 1 to 6, or 6 instruments of the same size. Packed in white boxes with white labels, they can be sterilized with hot, dry air at 180 °C or in a steam autoclave at 135 °C and disinfected in disinfectant liquids, and washed in ultrasonic cleaners.



Gates reamers		6 pcs		Peeso reamers		6 pcs	
Size		Size		Size		Size	
01	GAE000119	01	PEE000119				
02	GAE000219	02	PEE000219				
03	GAE000319	03	PEE000319				
04	GAE000419	04	PEE000419				
05	GAE000519	05	PEE000519				
06	GAE000619	06	PEE000619				
Assorted / 6 pcs		Assorted / 6 pcs					
01-06	GAE010619	01-06	PEE010619				

Endoboxes / Small accessories

Product

Endobox (without instruments)**ENB**

Endobox is used for holding endodontic instruments and for their sterilization. A two piece box (bottom and top part), 13 x 5 x 4 cm (outside diameters) is made out of anodized aluminum and has a movable endodontic insert.

The endodontic insert consists of:

- movable round part used for cleaning the instruments during the treatment by screwing them into a piece of gauze,
- millimeter scale for positioning an endostop at the required working length of a file,
- 25 bigger and 6 smaller holes for holding instruments.

Endobox can be sterilized by hot, dry air at the temperature up to 180° C or autoclaved up to 135° C.
Comment: when cleaning endobox please do not use materials with caustic soda.

**Endobox (with instruments)****ENB01**

Endobox is used for holding endodontic instruments and for their sterilization. A two piece box (bottom and top part), 13 x 5 x 4 cm (outside diameters) is made out of anodized aluminum and has a movable endodontic insert.

The endodontic insert consists:

- movable round part used for cleaning the instruments during the treatment by screwing them into a piece of gauze,
- millimeter scale for positioning an endostop at the required working length of a file,
- 25 bigger and 6 smaller holes for holding instruments,
- set of 31 root canal instruments (as shown below)
 - 6 S-files with endostops, length 25 mm and sizes: 15 white, 20 yellow, 25 red, 30 blue, 35 green, 40 black
 - 1 S-finder, length 21 mm, size 10 (orange)
 - 12 H-files with endostops, length 25 mm and sizes: 08 gray, 10 violet, 15 white, 20 yellow, 25 red, 30 blue, 35 green, 40 black, 45 white, 50 yellow, 55 red, 60 blue
 - 6 K-reamers with endostops, length 25 mm and sizes: 15 white, 20 yellow, 25 red, 30 blue, 35 green, 40 black
 - 6 nerveextractors, length 21 mm and sizes: 25 white, 30 yellow, 35 red, 40 blue, 50 green, 60 black

Endobox can be sterilized by hot, dry air at the temperature up to 180° C or autoclaved in temperature up to 135° C.

Comment: when cleaning endobox please do not use materials with caustic soda.

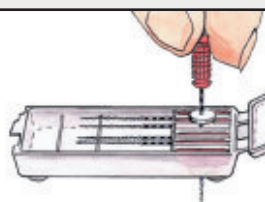
**Endostops****ESW**

Round, white silicon rubber, stoppers, used for marking the working length on a file or reamer.

Easily visible on RTG.

They can be sterilized by hot, dry air up to 180° C or can be autoclaved.

Box 100 pcs

**Endogrips****EGP**

Ergonomical sleeves used for increasing handle diameter. Made of a sterilizable silicon rubber, for easier grip of an endodontic instrument, specially when working in surgical gloves.

Box 12 pcs



Endostar Paper Points / Gutta Percha Points

Product

Endostar Paper Points

Used for drying root canal. ISO coded.

- Sterile.
- ISO coded.
- Highly absorbent.
- Firm and elastic.
- Available in 12 sizes (15, 20, ..., 80) and/or assortment 15-40, 45-80, packed in compartment boxes, with standard 2% taper, 200 pcs/box or with taper 4% and 6%, 60 pcs/box.



Paper Points		200 pcs	Paper Points		60 pcs
		Standard	Taper 04	Taper 06	
15	EPP20015	15	EPP40015	EPP60015	
20	EPP20020	20	EPP40020	EPP60020	
25	EPP20025	25	EPP40025	EPP60025	
30	EPP20030	30	EPP40030	EPP60030	
35	EPP20035	35	EPP40035	EPP60035	
40	EPP20040	40	EPP40040	EPP60040	
45	EPP20045	45	EPP40045	EPP60045	
50	EPP20050	50	EPP40050	EPP60050	
55	EPP20055	55	EPP40055	EPP60055	
60	EPP20060	60	EPP40060	EPP60060	
70	EPP20070	70	EPP40070	EPP60070	
80	EPP20080	80	EPP40080	EPP60080	
15-40	EPP21540	15-40	EPP41540	EPP61540	
45-80	EPP24580	45-80	EPP44580	EPP64580	

Endostar Gutta Percha Points

For root canal obturation. ISO coded.

- Ideal for vertical and lateran root canal obturation.
- Biocompatible and hygienic.
- With high dimension stability.
- Sterile.
- Firm and elastic.
- Available in 12 sizes (15, 20, ..., 80) and/or assortment 15-40, 45-80, packed in compartment boxes, with standard 2% taper, 200 pcs/box or with taper 4% and 6%, 60 pcs/box.
- Can be calibrated, with the length marking on the point.



Gutta Percha Points		120 pcs	Gutta Percha Points		60 pcs
		Standard	Taper 04	Taper 06	
15	EGC20015	15	EGC40015	EGC60015	
20	EGC20020	20	EGC40020	EGC60020	
25	EGC20025	25	EGC40025	EGC60025	
30	EGC20030	30	EGC40030	EGC60030	
35	EGC20035	35	EGC40035	EGC60035	
40	EGC20040	40	EGC40040	EGC60040	
45	EGC20045	45	EGC40045	EGC60045	
50	EGC20050	50	EGC40050	EGC60050	
55	EGC20055	55	EGC40055	EGC60055	
60	EGC20060	60	EGC40060	EGC60060	
70	EGC20070	70	EGC40070	EGC60070	
80	EGC20080	80	EGC40080	EGC60080	
15-40	EGC21540	15-40	EGC41540	EGC61540	
45-80	EGC24580	45-80	EGC44580	EGC64580	

Poldent Co. Ltd.

Al. Jana Pawła II 80, local VI
00-175 Warsaw
Poland
www.endostar.eu

Contact:

e-mail: export@poldent.pl
tel.: +48 695 300 338

Aneta Lewenti
e-mail: aneta@poldent.pl
tel.: +48 603 630 090

Poldent[®]