

# SAFE SIDERS®

## Endodontic Instrumentation System



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U.S. Patent No. 6,042,376, 5,803,732 & 5,632,620 and other foreign patents pending.

NON-STERILE

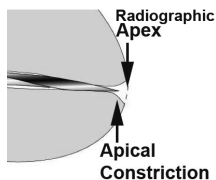


### The SafeSiders® Instrumentation System Instruction Booklet

### Use of the SafeSiders® Instrumentation System

**SafeSiders®** are a series of non-circular instruments that have a patented non-interrupted flat-sided architecture that allows you to quickly negotiate to the apex of any canal while applying far less apical and rotational force.

#### Instructions for use with the Endo-Express® and manual use:



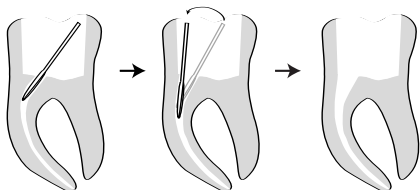
1. Using an apex locator, negotiate .5mm past the apical constriction with a Gray 08 or Purple 10 SafeSider. This can be achieved with either hand instrumentation or by using the Endo-Express reciprocating handpiece (EDS Cat No. 5500-00). (Use the Endo-Express reciprocating handpiece between 2,500 - 3,000 RPM for optimal results).

Use a firm pecking motion. Limit the degree of firmness just short of buckling the instrument along the shank.

**Note:** After apical measurement use a rubber stop to mark recorded length as your guide for instrumentation. (EDS recommends SafeSiders Endo Stops EDS Cat. No. 5000-06)

2. After establishing the length, use the White 15 and Yellow 20 SafeSiders .5mm past the apical constriction to establish the glide path. Always keeping the canal irrigated with a solution of approximately 5.25% NaOCl and instruments well lubricated with RC-Prep.

3. After the Yellow 20 SafeSider, use the Pleezer™ reamer to deepen and flare the canal. The most efficient and safest way to do this is to flare the canal away from the furcation (if one exists) and then gradually deepen. The primary purpose here is to straighten the canal curve. In most cases getting within 6mm of the apex is no



problem. If a firm pecking motion leaves you 1 or 2 mm short of this mark do not attempt to gain this depth by pressing harder. Keep the depth you have gained for now. Recheck apical measurement and patency with the Yellow 20.

- Instrument .5mm past the apical constriction with the Red 25 SafeSider reamer.
  - Instrument to the apical constriction with the Blue 30 SafeSider reamer.
  - If you are using the optional Orange 30/.04 SafeSider NiTi reamer, instrument to the apical constriction.
- (Note: Before placing the NiTi instruments into the root canal always bend it about 80-90 degrees in your hand first. If it does not break when you bend it, it is safe to use as instructed without fear of fracture. EDS recommends using all NiTi SafeSiders in the Endo-Express reciprocation handpiece. The slight reciprocating motion helps eliminate binding in the canal).
- Instrument to the apical constriction with the Green 35 SafeSider reamer.
  - Instrument 1mm short with the with the Black 40 SafeSider reamer.
  - Instrument .5mm past the apical constriction with the Pink 25/.06. The Brown 25/.08 SafeSider NiTi reamer is optional (If used instrument 2mm short). Again these are used with a firm pecking motion. (Please see note in step 5 above).
  - After the use of the Pink 25/.06 or Brown 25/.08 SafeSider you have established an apical preparation of 25 and a .06 or .08 taper that creates a shape that allows the intimate fit of a medium gutta percha point. EDS recommends the use of the EZ-Fill Obturation System (EDS Cat No. 1600-00, 1605-00, 1620-00 or, 1625-00).

#### Note if used manually:

Use in a clockwise - counter clockwise winding motion. Never use in a push-pull stroke which tends to block canals and drive debris over the apex. Clockwise rotation engages the dentin and counterclockwise rotation disengages from the dentin. If significant resistance is met when rotating into the tooth do not force it further. Use a wrist watch (clockwise - counter clockwise) winding motion to engage and disengage until the apex is reached.

**Note: To ensure practical instrumentation sharpness.**

EDS recommends discarding the SafeSiders after 6 uses.

## SafeSiders® Facts

Color	Size at apical tip	Taper	Made From	21mm Refill Cat. No.	25mm Refill Cat. No.
Grey	08	.02	SS	5021-08	5025-08
Purple	10	.02	SS	5021-10	5025-10
White	15	.02	SS	5021-15	5025-15
Yellow	20	.02	SS	5021-20	5025-20
Red	25	.02	SS	5021-25	5025-25
Blue	30	.02	SS	5021-30	5025-30
Green	35	.02	SS	5021-35	5025-35
Black	40	.02	SS	5021-40	5025-40
Orange	30	.04	Ni-Ti	5021-30/04	5025-30/04
Pink	25	.06	Ni-Ti	5021-25/06	5025-25/06
Brown	25	.08	Ni-Ti	5021-25/08	5025-25/08

SafeSiders Pleezers - 6 Tapered Pleezer Reamers with orange color coded band (EDS Cat. No. 5050-75)

## Endo-Express® Facts

- Endo-Express reciprocating handpiece (EDS Cat #5500-00)
- Endo-Express Air Motor: "E" Type, 4-Hole (EDS Cat #5510-00)
- Endo-Express "E" Type, Mini Head Latch Type Contra Angle (EDS Cat #5520-00)