



EDGEENDO®

PERFORMANCE. PRICE. TECHNOLOGY.

EDGETAPER
PLATINUM™

Edge-ified Sequence
with Enhanced Strength
and Flexibility

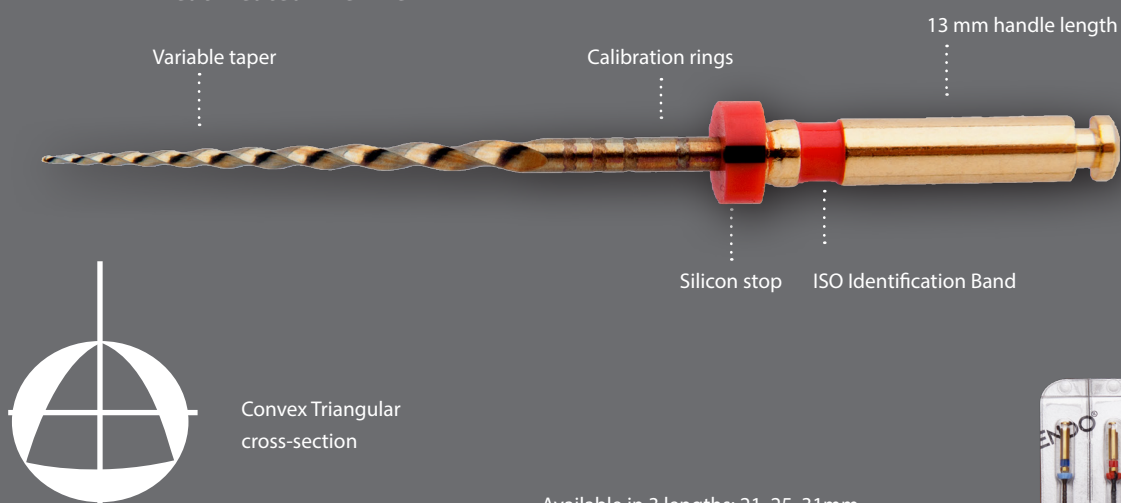


Scan for Digital
Edgetaper Platinum™ Brochure

PERFORMANCE.PRICE

EDGE TAPER PLATINUM™

Heat Treated FireWire™ NiTi



Available in 3 lengths: 21, 25, 31 mm

Sterile Packaging



Heat Treated FireWire™ NiTi

FireWire™ NiTi alloy is an innovation in file metallurgy. It makes our files more flexible and significantly increases resistance to cyclic fatigue. FireWire™ NiTi enables EdgeEndo® files to not “bounce back”, preserving canal anatomy, and carefully follows the canal as they shape.



Highly flexible



No bounce back



High strength



EDGEENDO®

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EDGEENDO.COM

E.TECHNOLOGY.

EdgeTaper Platinum Case by Prof. Gianluca Gambarini

Background:

A 42-year-old, female patient complaining about crown fracture and severe pain in the left mandibular posterior area. Intraoral and radiographic examination revealed disto-occlusal decay in tooth 3, 6 (fig 1) and exposure of the distal pulp horn.

After a manual glide-path with stainless steel K-files up to size 15, and working length determination with an electronic apex locator, ETP instruments were used with the following sequence: S1, S2, F1, F2. All instruments reached the full working length, gently rotated at 300 rpm (and 2N torque), avoiding overloading.

The second parameter was the use of outward motion to improve coronal flaring. This could have been done with the same ETP instrument, but for the S1 and S2 instruments slightly more rigid EdgeTaper (ET) rotary instrument were chosen. They were used only with an outward motion ("brushing"), an increased speed (500 rpm) and reduced torque (1.5N). By eliminating coronal interferences and increasing canal diameters ET S1 and S2 made apical preparation with ETP F1 and F2 quicker and safer, as shown in the CBCT images (fig 2 and 3).

Fig 3 and 4 show how canal trajectories were nicely maintained, and proper shaping (adequate canal diameters can be better appreciated in 3D images) was quickly and simply performed in a 45-minute single-visit root canal treatment, with no iatrogenic errors, no instruments' deformation or fracture.



For detailed instructions on how to use EdgeTaper™ Platinum Scan for IFU/DFU



Influence of Different Heat Treatments on Torsional and Cyclic Fatigue Resistance of Nickel–Titanium Rotary Files: A Comparative Study

Background:

Abstract: Protaper Universal (PTU), Protaper Gold (PTG) (Maillefer, Ballaigues, CH), EdgeTaper (ET), and EdgeTaper Platinum (ETP) (Albuquerque, NM, USA) were tested for both torsional and flexural resistance. The aim of the present study was to evaluate the influence of proprietary heat treatment on the metallurgical properties of the aforementioned instruments. Four groups of 30 different instruments (size 20.07) were tested, then divided into two subgroups of 15 instruments—one for the cyclic fatigue test in a curved canal (90°—2 mm radius) at 300 rpm and 2.5 Ncm. The time to fracture (TtF) and fragment length (FL) were recorded. The other subgroup was subjected to the torsional test (300 rpm, 5.5 Ncm). The torque to fracture and TtF were recorded. All the instruments underwent a SEM analysis. The heat-treated instruments showed a significantly higher fatigue resistance than the non-heat-treated instruments ($p < 0.05$). No significant differences were found in the torsional resistance between the ET and PTU, and the ETP and PTG. However, when comparing all the groups, the heat-treated instruments showed less torsional resistance. The improvement from heat treatment was mainly found in the cyclic fatigue resistance.

See latest research: <https://web.edgeendo.com/influence-of-different-heat-treatments-on-torsional-and-cyclic-fatigue-resistance-of-nickel-titanium-rotary-files-a-comparative-study/>

Gianluca Gambarini, Andrea Cicconetti, Dario Di Nardo, Gabriele Miccoli, Alessio Zanza, Luca Testarelli and Marco Seracchiani* Article Number: 55839* Publication.











"This is by far the best endo system I have used. I have been practicing since 1985. In my opinion, EdgeEndo files are superior to any of the most common files out there. Their flexibility and ease of use reduce separation anxiety and allow me to proceed through the preparation with ease and comfort. I am so happy I found this system!"

Ghassan Khalaf, D.D.S. Aura Dental, Las Vegas, NV, USA

EDGE TAPER

PLATINUM™


- Alternative to ProTaper® and ProTaper Gold®
- Proprietary heat treatment process - FireWire NiTi Alloy improves strength.
- Convex Triangular (Bloated triangular) cross section tip - Maximizes file cutting efficiency.
- Electropolished file - Increases sharpness and strength and flexibility.
- 2X more resistance to cyclic fatigue compared to ProTaper Gold®, 6X more resistant than ProTaper®¹.
- No bounce back to preserve canal anatomy.
- Excellent flexibility, capable of 90° curves.
- SX, S1, S2, F1, F2, F3, F4, F5
- Available lengths: 21, 25 & 31 mm

| 6-Pack | STERILE | Size | Length | | |
|---|---------|------------------------|---------|------------------------|---------|
| | | | 21 mm | 25 mm | 31 mm |
|  | | SX | 9885007 | Only available in 19mm | |
|  | | S1 | 9885001 | 9885002 | 9885003 |
|  | | S2 | 9885004 | 9885005 | 9885006 |
|  | | F1 | 9888390 | 9888391 | 9888392 |
|  | | F2 | 9888393 | 9888394 | 9888395 |
|  | | F3 | 9888396 | 9888397 | 9888398 |
|  | | F4 | 9888399 | 9888400 | 9888401 |
|  | | F5 | 9888402 | 9888403 | 9885000 |
| EdgeTaper Platinum® Assorted Packs | | SX, S1, S2, F1, F2, F3 | 9885008 | 9885009 | 9885010 |

EDGE GLIDEPATH™

HEAT-TREATED FIREWIRE™ NiTi

- Alternative to ProGlider®
- Replacing as many as 8 instruments to create a glidepath faster
- Replaces #15, 20, 25, 30 & 35 hand files in a step-back technique and a #1, 2 & 3 Gates Glidden

| 4-Pack | STERILE | Tip Size | Length | | |
|---|---------|----------|---------|---------|---------|
| | | | 21 mm | 25 mm | 31 mm |
|  | | 19 | 9888387 | 9888388 | 9888389 |

EDGE CORE™

- Alternative to Gutta Core™.

| 5 Pack + 1 Verifier | |
|---------------------|------------|
| Size | Sku Number |
| F1 | 9887973 |
| F2 | 9887975 |
| F3 | 9887977 |
| F4 | 9887979 |
| F5 | 9887981 |



EDGE FILL™

- Alternative to Thermafill®.

| 6 Pack | |
|--------|------------|
| Size | Sku Number |
| F1 | 9887974 |
| F2 | 9887976 |
| F3 | 9887978 |
| F4 | 9887980 |
| F5 | 9887982 |



GUTTA PERCHA POINTS

| 60-Pack | |
|---------|------------|
| Size | Sku Number |
| F1 | 9887986 |
| F2 | 9887987 |
| F3 | 9887988 |
| F4 | 9887989 |
| F5 | 9887990 |



PAPER POINTS

| 60-Pack | |
|---------|------------|
| Size | Sku Number |
| F1 | 9887994 |
| F2 | 9887995 |
| F3 | 9887996 |
| F4 | 9887997 |
| F5 | 9887998 |



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*Gianluca Gambarini, Andrea Cicconetti, Dario Di Nardo, Gabriele Miccoli *, Alessio Zanza, Luca Testarelli and Marco Seracchiani* Article Number: 55839* Publication. 1) Based on resistance cyclic testing as shown on the FireWire NiTi Strength Graph: <http://edgeendo.com/comparative-study-of-cyclic-fatigue-resistance/> and price comparisons vs retail price.

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