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Aurum Blue™

Endodontic NiTi File

Maximum flexibility without compromising strength.

Aurum Blue makes it possible.



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META BIOMED

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

Flexibility & Strength

Alloy

(Martensite Phase)

Heat-Treatment

Files are heat-treated using Blue Wire™ Technology. They exist in martensite crystal phase in room temperature which is well known for its resistance to cyclic fatigue.

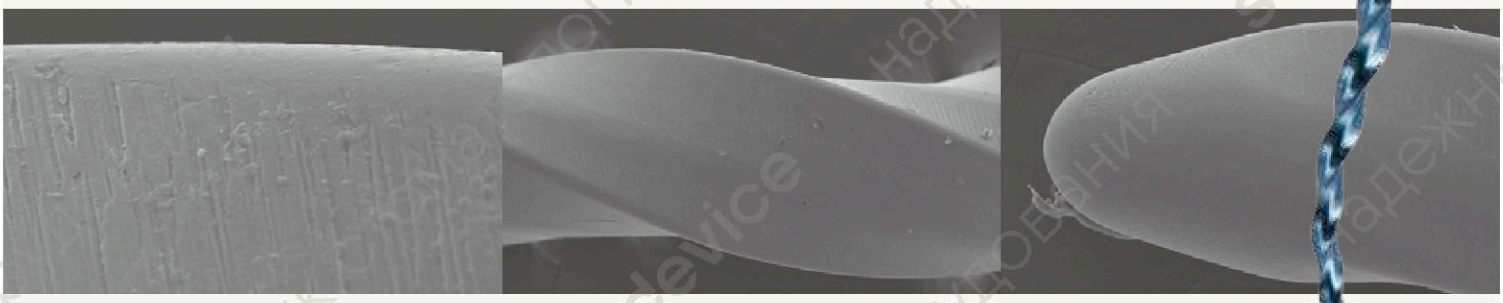
Aurum Blue signigicantly reduces incidence of procedural errors like transportation, ledge or perforation.

Pre-bendable

Easy access to a canal orifice.



Electropolished



– Clean and smooth surface to avoid instrument fracture

– Elimination of screw-in effect
Gentle cutting edge

– Safe guiding tip

Design

Cross Section

In general, small size file has good flexibility but less strength.
Big size file has less flexibility but good strength.
How can we make small size file strong, and big size file flexible?





"Strength"
Square shape

CF(20/.10)
T1(20/.04)
T1.5(25/.04)





"Flexibility"
Convex triangular shape

T2(25/.06)
T3(35/.04)
T4(40/.04)
T4.5(45/.04)

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Experiment

Resistance to cyclic fatigue

Number of cycles to failure
40°, R 4.777 simulated root canal

Aurum Blue 25/06	1800 Cycle
Hyflex CM* 25/06	1200 Cycle

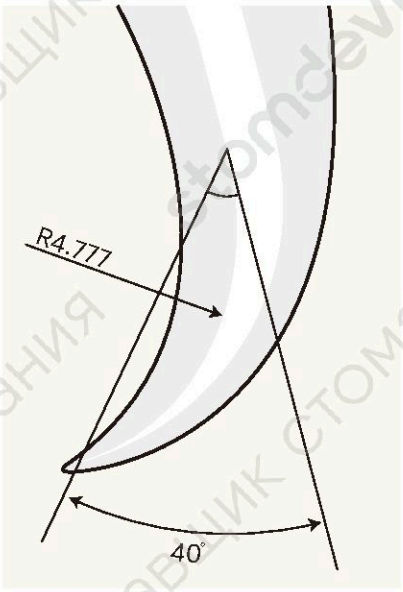
Resistance to torsional stress

(ISO3630-1:2008)

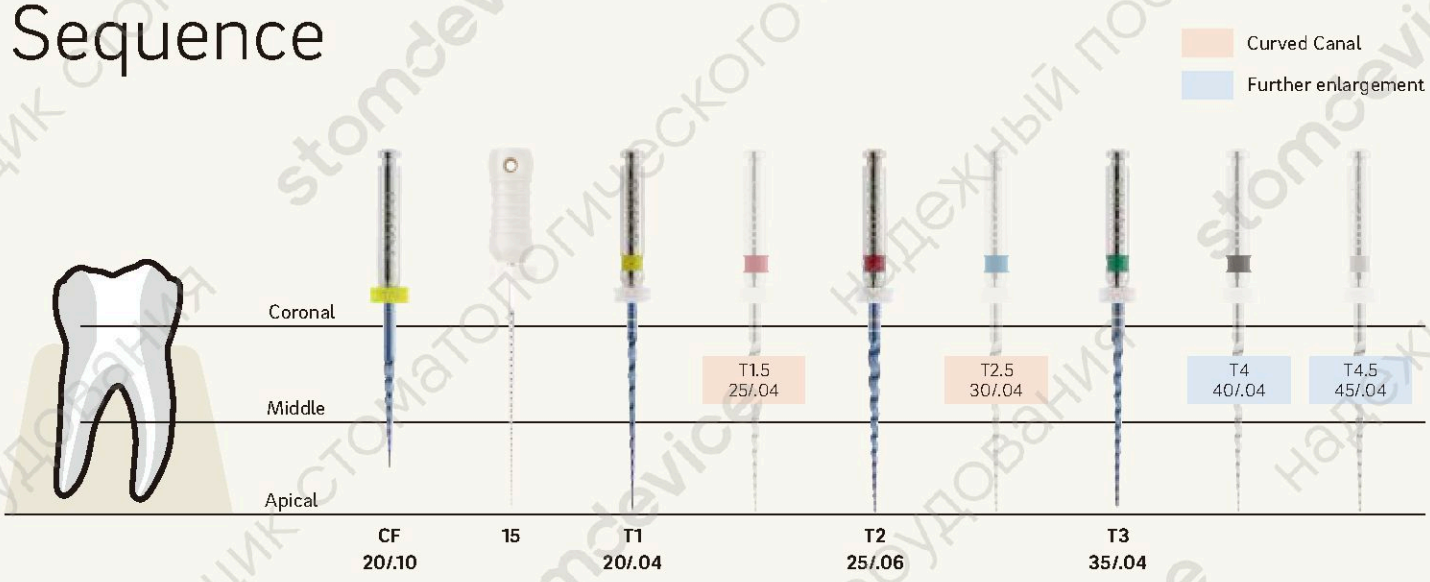
Ultimate torsional strength (N'm)
Angle of rotation to failure (°)

Aurum Blue 25/06	727 N'm, 602°
Hyflex CM* 25/06	445 N'm, 615°

Source: Yonsei University Dental Material Research Center
*Not a Meta Biomed Trademark



Sequence



Aurum Blue RPM: 500, Torque: 2.0Ncm

Comment



"Aurum Blue files allow me to work efficiently and feeling safe at the same time; their cross-sectional design combined with the NiTi controlled memory alloy are the perfect combination for providing to the instruments cutting efficiently, great flexibility and outstanding fatigue resistance."



Jenner Argueta, DDS, M.Sc.

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Aurum Blue™ Item list

Aurum Blue, 4pcs/pack

Contents	ID	Length / Size	17 mm	21 mm	25 mm	31 mm
Sequence pack (20/.10, 20/.04, 25/.06, 35/.04)				•	•	•
CF (20/.10)		20	•			
T1 (20/.04)	yellow	20		•	•	•
T1.5 (25/.04)	red	25		•	•	•
T2 (25/.06)	red	25		•	•	•
T2.5 (30/.04)	blue	30		•	•	•
T3 (35/.04)	green	35		•	•	•
T4 (40/.04)	black	40		•	•	•
T4.5 (45/.04)	white	45		•	•	•



Aurum Blue™ Matching GP/PP points



Aurum Blue
Gutta Percha Points
(60 points/pack)
Dispenser Package



Aurum Blue
Absorbent Paper Points
(60 points/pack)
Cell Package

- T1 (20/.04)
- T1.5 (25/.04)
- T2 (25/.06)
- T3 (35/.04)
- T4 (40/.04)
- T4.5 (45/.04)

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