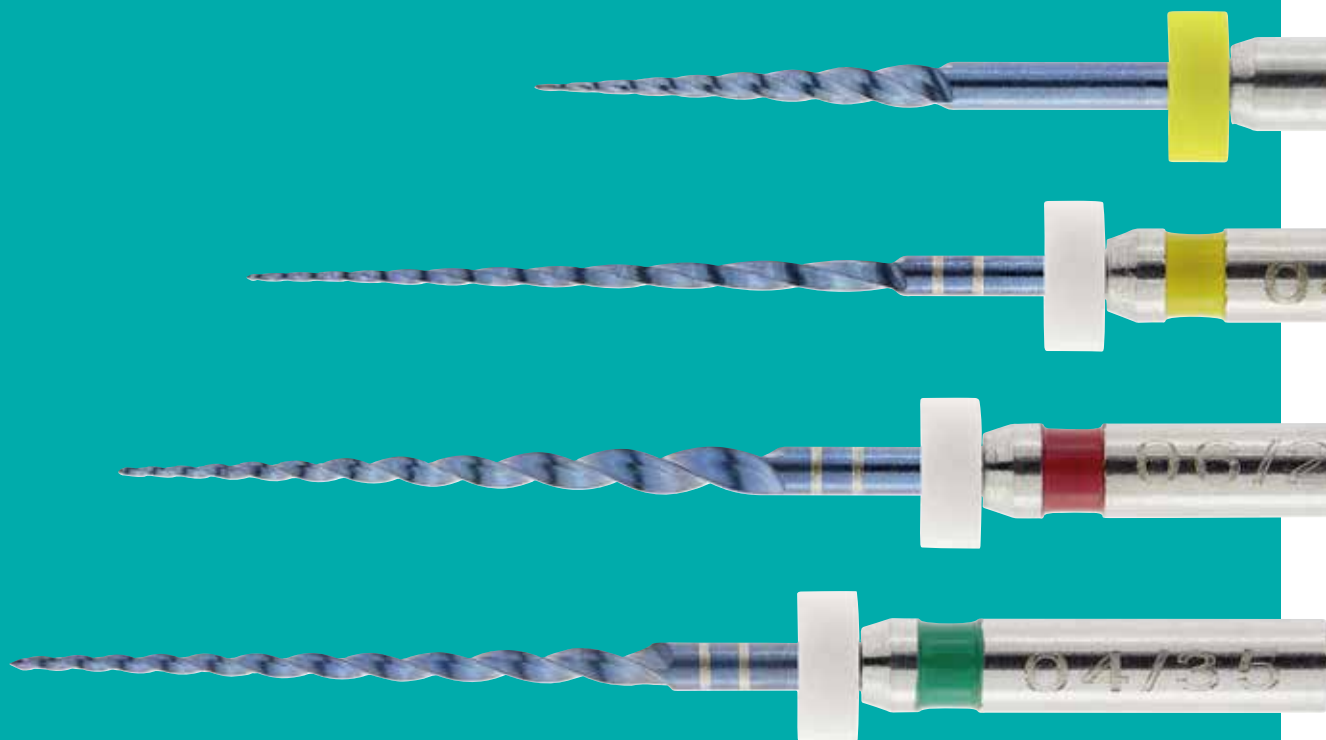




Maximum flexibility without compromising strength.

Aurum Blue makes it possible.



Flexibility & Strength

Alloy

(Martensite Phase)



Heat-Treatment

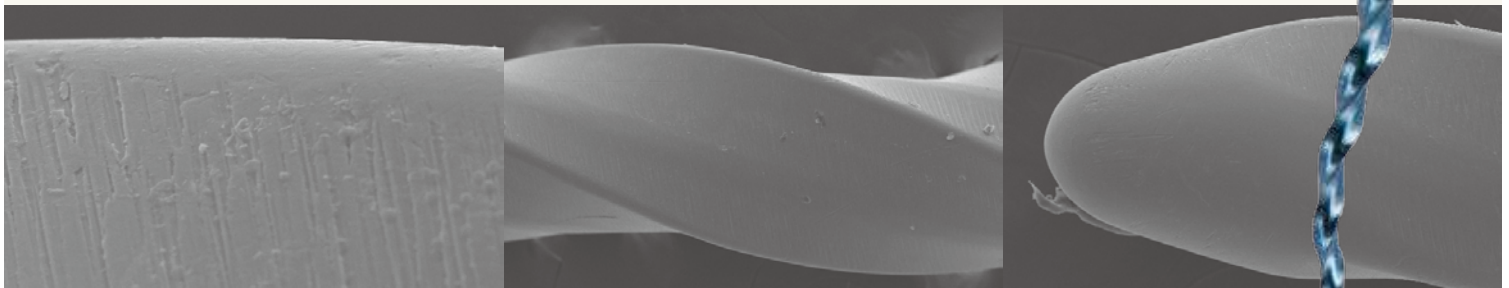
Files are heat-treated using Blue Wire™ Technology. They exist in martensite crystal phase in room temperature which is well known for its resistance to cyclic fatigue.

Aurum Blue significantly 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

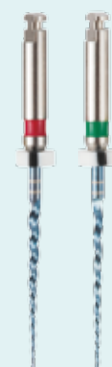
Cross Section

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)

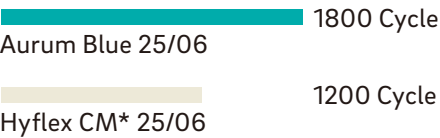




Experiment

Resistance to cyclic fatigue

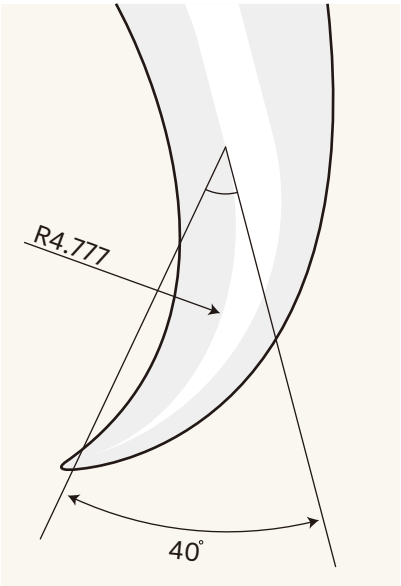
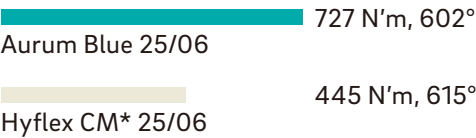
Number of cycles to failure
40°, R 4.777 simulated root canal



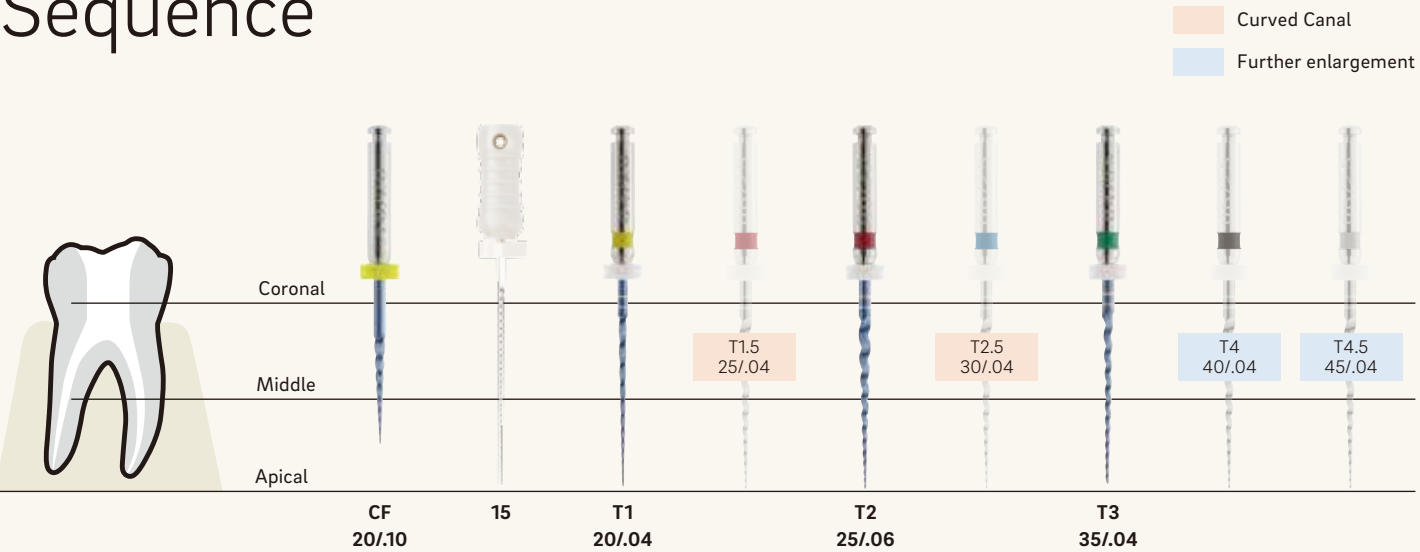
Source: Yonsei University Dental Material Research Center
*Not a Meta Biomed Trademark

Resistance to torsional stress

(ISO3630-1:2008)
Ultimate torsional strength (N'm)
Angle of rotation to failure (°)

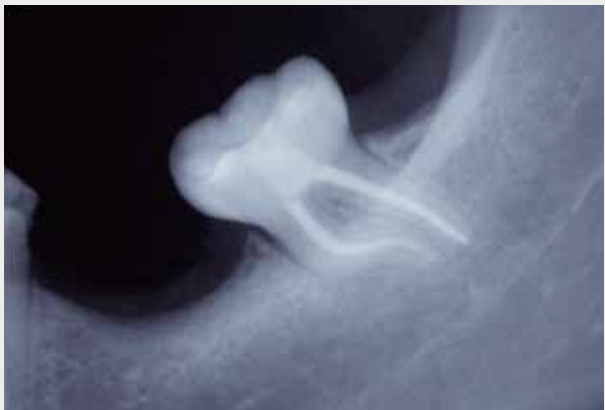


Sequence



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."



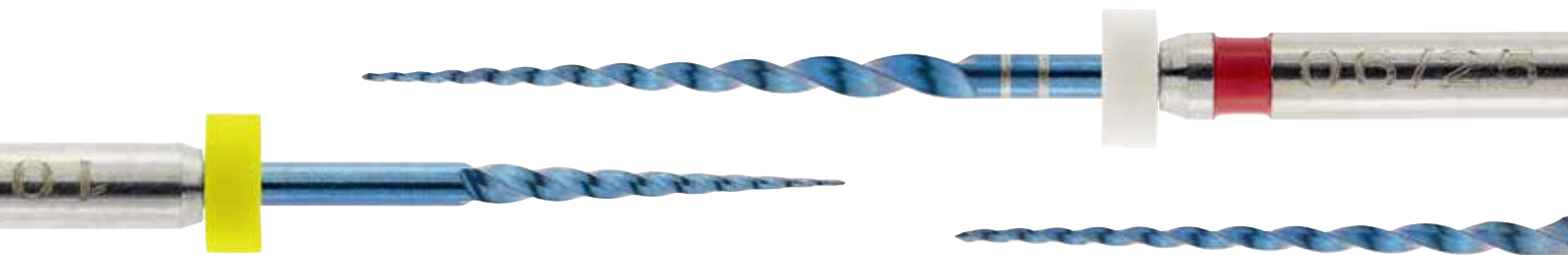
Jenner Argueta, DDS, M.Sc.

Aurum Blue™ Item list



Aurum Blue, 4pcs/pack

Contents	Length		17 mm	21 mm	25 mm	31 mm
	ID	Size				
Sequence pack (20/.10, 20/.04, 25/.06, 35/.04)				•	•	•
CF (20/.10)		20	•			
T1 (20/.04)	●	20		•	•	•
T1.5 (25/.04)	●	25		•	•	•
T2 (25/.06)	●	25		•	•	•
T2.5 (30/.04)	●	30		•	•	•
T3 (35/.04)	●	35		•	•	•
T4 (40/.04)	●	40		•	•	•
T4.5 (45/.04)	○	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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