VORTEX BLUE®
ROTARY FILES

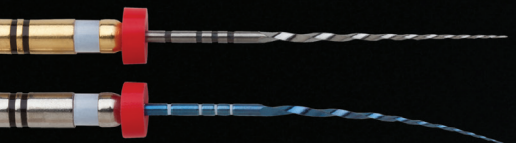
STERILIZATION FOR FILES

- Files are non-sterile products.
- Autoclave before use — 136˚C (plus or minus 2˚C) for 20 minutes.
- Vortex Blue® rotary files are single patient use devices.

VORTEX BLUE® PROPERTIES

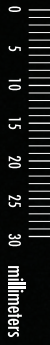
Vortex Blue® utilizes a unique approach in wire processing that increases cyclic fatigue resistance and improves torque strength. Due to this proprietary processing, Vortex Blue® files may appear slightly curved, as demonstrated in the image below. This is not a manufacturing defect.

While the file can be easily straightened using only your fingers, it is not necessary to straighten the file prior to use. Once inside the canal the Vortex Blue® file will follow the anatomy, conforming to natural curvatures.



Pack of Six	.04 TAPER FILES
White	15/.04
Yellow	20/.04
Red	25/.04
Blue	30/.04
Green	35/.04
Black	40/.04
White	45/.04
Yellow	50/.04

Pack of Six	.06 TAPER FILES
White	15/.06
Yellow	20/.06
Red	25/.06
Blue	30/.06
Green	35/.06
Black	40/.06
White	45/.06
Yellow	50/.06



THE BLUE STANDARD.

CREATE STRAIGHT-LINE ACCESS

Establish working length and create a glide path for Vortex Blue® rotary files to follow:

- Negotiate all root canals to their terminus with stainless steel Lexicon® K-Files, in the presence of ProLube® root canal conditioner.
- Establish patency by taking a #10 K-File past the canal terminus, and at least a #15 K-File to the terminus.

SHAPE CANAL-CROWN DOWN

Initiate Crown Down cleaning and shaping technique

- In small canals (mesials/buccals of molars, small premolars and lower anteriors) start with a 30/.04 rotary file. Take 30/.04 to resistance or working length (whichever occurs first). If resistance is encountered before working length is obtained, go to next smaller instrument following the same protocol until working length is achieved. Between each rotary file recapitulate with a #10 or #15 tip hand file to maintain glide path and help irrigate (NaOCl) to the canal terminus.
- In larger canals (palatal/distals of molars, larger premolars, upper anteriors) begin with a 40/.04 rotary file. Use the crown down technique to resistance or working length. If resistance is encountered before working length is achieved, move on to smaller sized instruments until working length is achieved. Between instruments, recapitulate with small hand instrument to maintain a glide path to working length.

OBTURATION OF CANAL SYSTEMS

- When using centrally condensed warm gutta percha techniques such as Vortex® Obturators, rely on size verifiers to determine proper fit and length control of filling materials.
- A Vortex® obturator the same tip/taper as the size verifier taken to working length can be used to obturate the canal.

Non-Sterile product, autoclave before use 136° C / 20 min.

CONSULT INSTRUCTIONS FOR USE | Sterilize Before Use | Single Use Only | Rx Only For Dental Use Only

.04 TAPER FILES

FILE SIZE	SPEED (RPM)	TORQUE (G-CM)
15/.04 & 20/.04	500	75
25/.04 & 30/.04	500	104
35/.04 & 40/.04 45/.04 & 50/.04	500	132

.06 TAPER FILES

FILE SIZE	SPEED (RPM)	TORQUE (G-CM)
15/.06 & 20/.06	500	195
25/.06 & 30/.06	500	290
35/.06 & 40/.06 45/.06 & 50/.06	500	368

DENTSPLY TULSA DENTAL SPECIALTIES

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