TransformS™ CT-HT

Compatible with EndoSequence CM

Heat-treated constant-taper rotary crown-down sequence.

ENDOTECH ROTARY · 500-600 rpm · Initial 1.8-2.3 N·cm

ENTRY CHECK Scout with a #10 hand file. Rotary instruments follow the manually explored path.

THE INSTRUMENTS



CT-HT 25/.04 representative artwork. Identify size, taper and length from the pack.

SEQUENCE + CLINICAL DECISIONS

1	**Establish coronal patency** #10 hand file	Explore the coronal path to about half the projected working length before rotary entry.
2	**Assess the canal** Expeditor 27/.04 · 21 mm	Advance to first wall engagement, then withdraw. Select the canal group from the radiograph, hand-file fit and depth.
3	**Begin crown down** Small / medium / large group	Use the selected sequence below. Take each instrument to engagement with light pressure.
4	**Determine working length** After the second group file	After two files from the selected group, use a #10 hand file and apex locator to establish working length (WL).
5	**Complete preparation** Continue crown down to WL	Finish with the first file that engages at WL, or one size larger. If #15 is needed, return to #20 at WL.
6	**Fit the cone** Match final size and taper	Complete disinfection. Verify the matching gutta-percha cone at WL before obturation.

#10 HAND → EXPEDITOR → CROWN DOWN → WL → CONE FIT

Small canals

30 → 25 → 20 → 15

.04 or .06 taper. Use #15 only if needed; then return to #20 at WL.

Medium canals

40 → 35 → 30 → 25

.04 or .06 taper. Advance to engagement; stop at the selected apical endpoint.

Large canals

50 → 45 → 40 → 35

.04 or .06 taper. Select final size from engagement at working length.

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Use the heat-treated family with the same crown-down order.

01

EndoSequence CM sequence for CT-HT

CT-HT is the heat-treated constant-taper companion to CT. This card applies the EndoSequence crown-down route to the CT-HT range. Its extra-large .04 group is 80 → 70 → 60 → 55. Identify CT-HT instruments by their TSCTHT article numbers.

02

Read the Expeditor engagement

Engagement before half its cutting length suggests a small canal; halfway or deeper suggests medium. Loose entry to full length suggests large. Use the radiograph and #10 hand-file feedback with this assessment.

03

Extra-small canals: modified .04 route

After the Expeditor, use 25/.04 then 30/.04 to engagement. Determine WL with #10 and an apex locator; a #10/#15 hand-file glide path can assist. Return to 25/.04, then 20/.04; use 15/.04 if needed, then return to #20 at WL.

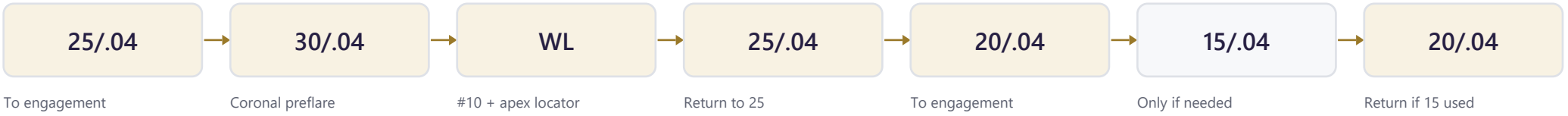
04

Work in short, light engagements

Use three gentle engagements per series, withdrawing fully after the third; each series takes 2-3 seconds. Use two series before changing files. Clean flutes, irrigate and maintain lubrication. Keep the file moving and never force advancement.

MOTOR SETUP Continuous clockwise rotation. 500-600 rpm. Initial torque 1.8-2.3 N·cm. Maximum 2.9 N·cm.

EXTRA-SMALL CANALS · MODIFIED .04 ROUTE



Finish at an engaged apical endpoint. If #15 is taken to WL, finish with at least #20.