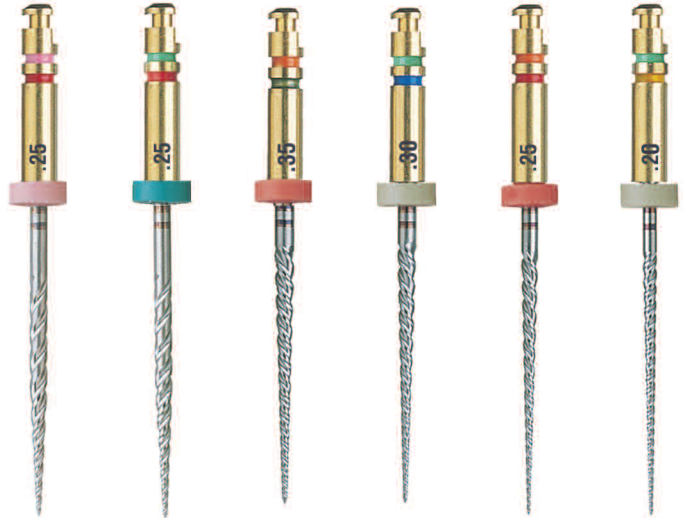


# VTVT pack (variable tip – variable taper)

$K^3 = \sqrt{\text{ENDO}}$



.10 taper	.08 taper	.06 taper	.04 taper	.06 taper	.04 taper
25 tip	25 tip	35 tip	30 tip	25 tip	20 tip
21 or 25 mm	21 or 25 mm	21 or 25 mm	21 or 25 mm	21 or 25 mm	21 or 25 mm

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0 5 10 15 20 25 30 millimeter

# INSTRUMENTATION GUIDE

**Obtain straight-line access. Achieve coronal patency using #8 thru #20 hand files. Use 5 gentle “engage-disengage” inserting motions to achieve 1 to 2 mm of depth for each of the following K3 files in the VTVT sequence (avoid using force and limit the degree of file engagement).**

**1. Use K3 #25/.10 to resistance**

**2. Use K3 #25/.08 to resistance**

(for MB2s and calcified canals, start here)

**3. Obtain working length**

(achieve apical patency)

- Instrument a #15 hand file to WL (working length)
- Use Gates Glidden drills #4, #3 and #2 in an outward brushing motion (optional)

**4. Use K3 #35/.06 to resistance**

**5. Use K3 #30/.04 to resistance**

**6. Use K3 #25/.06 to resistance**

(this file often reaches WL)

**7. Use K3 #20/.04 to resistance**

(only if the #25/.06 does not reach WL)

## Clinical Tips

- If WL has not been reached, repeat the entire series from the beginning
- For deep shaping, use the K3 #25/.10 and K3 #25/.08 again, to resistance
- RPM for K3s: 350 to 500 (always use a *light touch*)
- Use a #10 or #15 hand file to WL after every other K3 file
- Irrigate after every (or every other) file
- Alternate NaOCl with EDTA liquid
- “Gauge apex” and perform “apical clearing” with hand files
- Irrigate with NaOCl and cone-fit in wet canal
- Irrigate and soak with SmearClear™ liquid for 1 minute
- Final rinse with 2% chlorhexidine

**Note:** The VTVT Pack will work in many cases but since all canals differ in size and shape, additional sizes of K3 Files may be required.

Part No. 077-3084 Rev. C

**SybronEndo** | *Safe files, superior fills.*  
Sybron Dental Specialties

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