PROMARK® Quick Reference Guide*

Menu Navigation & Select

Calibration (single press)
System Setup (press & hold)
• SETUP OPTIONS:
  - Preset Memory Lock
  - Recall Factory Setup
• GLOBAL OPTIONS:
  - Auto Stop Reverse
  - Reverse Beeper
  - Torque Warning
  - Accessory Warn
  - Sleep Mode
  - Keypress Beep
  - System Volume
  - Save Settings
  - Cancel

Handpiece Ratio Selection

Speed Increase/Decrease

Torque Increase/Decrease

Motor Direction Forward/Reverse

Auto-Stop-Reverse/ MAX Torque

Reciprocation Out Mode

Standby Key

Preset Buttons (5)

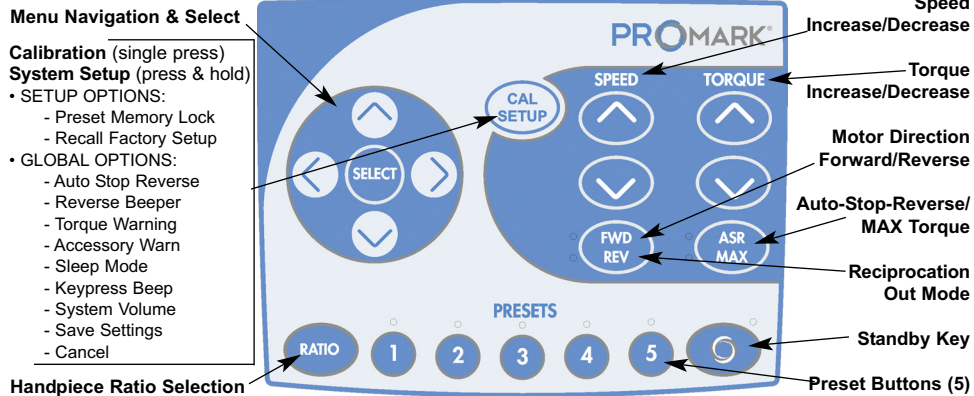**Initial out-of-box startup:** Select default 8:1 handpiece; TUL-8M (Tulsa Dental Specialties) or AHP-88MN/MNP (Anthogyr)**.** It is important to select correct handpiece for the system to control speed and torque accurately. An 8:1 handpiece is required for reciprocation.

Calibration Procedure: Connect motor and handpiece to system. Secure a file into the hand-piece. Press & release CAL button. To ensure torque accuracy, calibrate system daily.
WARNING: During the preprogrammed calibration operation, the file will rotate.

Basic Operation: Select the Preset Button corresponding to the endodontic rotary file series you are using. By default, the PROMARK® Preset Buttons are set for the file series shown below. Pressing the Preset Button repeatedly will cycle through the individual files listed below each series name. The Up/Down Arrow Buttons can also be used to cycle through the files, and the Right/Left Arrow Buttons can be used to navigate from Preset to Preset.

System Setup: Enter the System Setup menu by holding down the CAL button until a double beep is heard. (See Directions For Use for additional setup instructions.)

PROMARK® Default Preset Chart

Preset Button 1 Default File Series: DENTSPLY Tulsa Dental Specialties PathFile® All Files File #1: PathFile® (All Files)	**Preset Button 4** Default File Series: DENTSPLY Tulsa Dental Specialties ProTaper® Universal File #1: ProTaper S1 & SX
Preset Button 2 Default File Series: DENTSPLY Tulsa Dental Specialties WaveOne® All Files File #1: WaveOne® (All Files) An 8:1 handpiece is required for reciprocation.	File #2: ProTaper S2 & F1 File #3: ProTaper F2, F3, F4, F5 File #4: ProTaper D1 & D2 File #5: ProTaper D3
Preset Button 3 Default File Series: DENTSPLY Tulsa Dental Specialties ProTaper Next™ File #1: PTN High Torque (All) File #2: PTN Low Torque (All)	**Preset Button 5** Default File Series: DENTSPLY Tulsa Dental Specialties VORTEX® 04, 06 Taper File #1: VORTEX Orifice (All) File #1: VORTEX 04, .35 through .50 taper File #2: VORTEX 04, .25 and .30 taper File #3: VORTEX 04, .15 and .20 taper File #4: VORTEX 06, .35 through .50 taper File #5: VORTEX 06, .25 and .30 taper File #6: VORTEX 06, .15 and .20 taper

* Refer to Directions For Use for advanced features
  and programming.

DENTSPLY
TULSA DENTAL SPECIALTIES

Chart 3 - PROMARK® File Library Settings [2]

Caution - Use only WAVEONE® files and 8:1 handpiece when in RECIPROCATION Mode.

Note:
WAVEONE® files have factory dedicated settings that can not be manipulated by the user.

i Consult Instructions For Use
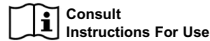
For Dental Use Only Rx Only

[1]

PATHFILE® ALL

File Size	Speed (RPM)	Torque (g-cm)
PATHFILE (ALL FILES)	300	120

PATHFILE® INDIV FILES

File Size	Speed (RPM)	Torque (g-cm)
PATHFILE SIZE 19	300	120
PATHFILE SIZE 16	300	120
PATHFILE SIZE 13	300	120

WAVEONE® ALL

File Size		
WAVEONE (ALL FILES)		

PROTAPER NEXT™

File Size	Speed (RPM)	Torque (g-cm)
PTN HIGH TORQUE (ALL)	300	520
PTN LOW TORQUE (ALL)	300	200

PROTAPER® UNIVERSAL

File Size	Speed (RPM)	Torque (g-cm)
PROTAPER S1 & SX	300	520
PROTAPER S2 & F1	300	150
PROTAPER F2, F3, F4, F5	300	312
PROTAPER D1 & D2	500	312
PROTAPER D3	500	150

PROTAPER® UNIVERSAL I

File Size	Speed (RPM)	Torque (g-cm)
PROTAPER S1 & SX	300	520
PROTAPER S2 & F1	300	150
PROTAPER F2, F3, F4, F5	300	312

PROTAPER® RETREAT

File Size	Speed (RPM)	Torque (g-cm)
PROTAPER D1	500	312
PROTAPER D2	500	312
PROTAPER D3	500	150

VORTEX® 04, 06 Taper

File Size	Speed (RPM)	Torque (g-cm)
VORTEX ORIFICE (ALL)	500	520
VORTEX 04/35 Thru 04/50	500	132
VORTEX 04/25 & 04/30	500	104
VORTEX 04/15 & 04/20	500	75
VORTEX 06/35 Thru 06/50	500	368
VORTEX 06/25 & 06/30	500	290
VORTEX 06/15 & 06/20	500	195

VORTEX® ORIFICE OPENER

File Size	Speed (RPM)	Torque (g-cm)
VORTEX ORIFICE (ALL)	500	520

VORTEX® 04 Taper

File Size	Speed (RPM)	Torque (g-cm)
VORTEX 04/35 Thru 04/50	500	132
VORTEX 04/25 & 04/30	500	104
VORTEX 04/15 & 04/20	500	75

VORTEX® 06 Taper

File Size	Speed (RPM)	Torque (g-cm)
VORTEX 06/35 Thru 06/50	500	368
VORTEX 06/25 & 06/30	500	290
VORTEX 06/15 & 06/20	500	195

GT® Series 20, 30, 40

File Size	Speed (RPM)	Torque (g-cm)
ACC 90, 70, 50, 35/12	500	700
GT YEL 20/10 & 20/08	300	312
GT YEL 20/06 & 20/04	300	174
GT BLU 30/10 & 30/08	300	347
GT BLU 30/06 & 30/04	300	208
GT BLK 40/10 & 40/08	300	405
GT BLK 40/06 & 40/04	300	230

GT® Acc. & 20 Series YELLOW

File Size	Speed (RPM)	Torque (g-cm)
ACC 90, 70, 50, 35/12	500	700
GT YEL 20/10 & 20/08	300	312
GT YEL 20/06 & 20/04	300	174

GT® Acc. & 30 Series BLUE

File Size	Speed (RPM)	Torque (g-cm)
ACC 90, 70, 50, 35/12	500	700
GT BLU 30/10 & 30/08	300	347
GT BLU 30/06 & 30/04	300	208

GT® Acc. & 40 Series BLACK

File Size	Speed (RPM)	Torque (g-cm)
ACC 90, 70, 50, 35/12	500	700
GT BLK 40/10 & 40/08	300	405
GT BLK 40/06 & 40/04	300	230

GT Series X® (3)

File Size	Speed (RPM)	Torque (g-cm)
GT-X 20/04 & 20/06	300	175
GT-X 30&40 /04 & /06	300	210
GT-X 30/08 & 40/08	300	350

GT Series X® (4)

File Size	Speed (RPM)	Torque (g-cm)
SERIES X 20/04 & 20/06	300	175
SERIES X 30/04 & 30/06	300	210
SERIES X 40/04 & 40/06	300	210
SERIES X 30/08 & 40/08	300	350

GT®/PROFILE .04

File Size	Speed (RPM)	Torque (g-cm)
ACC 90, 70, 50, 35/12	500	700
GT 20/10 & GT 20/08	300	312
GT 20/06 & PF 35/04	300	132
PF 30/04 & PF 25/04	300	104
PF 20/04	300	75

[3] **PROFILE® S29® 04 TAPER**

File Size	Speed (RPM)	Torque (g-cm)
PF S29 04 SIZE 7 & 6	300	132
PF S29 04 SIZE 5 & 4	300	104
PF S29 04 SIZE 3 & 2	300	75

[3] **PROFILE® S29® 06 TAPER**

File Size	Speed (RPM)	Torque (g-cm)
PF S29 06 SIZE 7 & 6	300	368
PF S29 06 SIZE 5 & 4	300	290
PF S29 06 SIZE 3 & 2	300	195

PROFILE® ORIFICE OPENER

File Size	Speed (RPM)	Torque (g-cm)
PF OO SIZE 6 & 5	300	510
PF OO SIZE 4 & 3	300	400
PF OO SIZE 2 & 1	300	256

PROFILE® ISO 04 TAPER

File Size	Speed (RPM)	Torque (g-cm)
PF ISO 40/04 & 35/04	300	132
PF ISO 30/04 & 25/04	300	104
PF ISO 20/04 & 15/04	300	75

PROFILE® ISO 06 TAPER

File Size	Speed (RPM)	Torque (g-cm)
PF ISO 40/06 & 35/06	300	368
PF ISO 30/06 & 25/06	300	290
PF ISO 20/06 & 15/06	300	195

ITR EMULATION SERIES

File Size	Speed (RPM)	Torque (g-cm)
ACC	500	1000
MAX	300	625
CORONAL	300	250
MID	300	150
APICAL	300	70

[4] **LEXICON® GATES V 1.20**

File Size	Speed (RPM)	Torque (g-cm)
LEXICON GATES #6	3000	1000
LEXICON GATES #5	3000	750
LEXICON GATES #4	3000	700
LEXICON GATES #3	3000	400
LEXICON GATES #2	3000	240
LEXICON GATES #1	3000	150

[4] **PRO-POST® DRILLS**

File Size	Speed (RPM)	Torque (g-cm)
PRO-POST DRILLS	2000	1000

NOTE: Before programming presets, disable Preset Memory Lock in System Setup menu. Hold down desired Preset Button until you hear a double beep. After programming presets, re-enable Preset Memory Lock.

[1] Torque is set at user's preference.

[2] Recommended torque is between 200-520 g-cm.

[3] S29 represents SERIES 29°.

[4] Lexicon Gates and Pro-Post Drills are not compatible with 1/16 reduction handpieces, which have a maximum speed of 1800 RPM.