



+
**WE
KNOW
ENDO.**



X-Smart IQ® Handpiece
with Propex IQ® Apex Locator
Increase your IQ

 **Dentsply
Sirona**
Endodontics



X-Smart IQ® Handpiece

A motor for a complete freedom of movement



16 TREATMENT
AUTONOMY

A slim, well-balanced and cordless handpiece

Battery autonomy for 16 treatments* and rechargeable during treatment



MINIATURE
HEAD

Easy access and excellent visibility

Miniature head with 360° adjustable contra-angle head

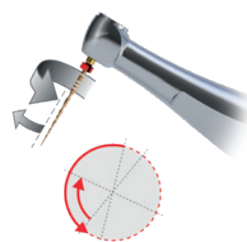


CHOOSE
YOUR SHAPING
SYSTEM

Quickly switch from reciprocating to continuous motion

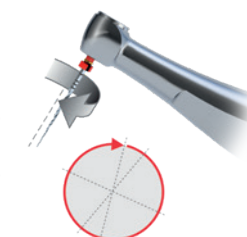
WaveOne® Gold Reciprocating Files

The latest reciprocating technology to shape the canal with confidence



ProTaper Next® Endodontic Files

The next generation of the endodontic reference for performance and versatility



*A treatment is defined as 2 canals with 4 files per canal used for 30s each



Endo IQ® Application

The core of your IQ experience integrated into an Apple iOS® app



REAL-TIME
TORQUE
MONITORING

Feel safe

Instant torque level indication: visual and audible sound



CONTINUOUS AND
RECIPROCATING
MOTION

Torque reverse

Torque reverse function available in continuous and reciprocating motion



CUSTOM
CONTROL

Enhance the performance of your devices

Use the customizable Shaping Target feature when both devices are combined and connected to the app to change the position of the reference point you want to shape towards to.

Use the Apical Reverse feature when both devices are combined and connected to the Endo IQ® App



CUSTOMIZABLE
FILE LIBRARY

Flow through your sequence with peace of mind

Select a file sequence
or easily create your own file sequence



TRANSFER
TO YOUR
PATIENT FILE

Facilitate treatment data capture and transfer

- Associate basic treatment notes (tooth number, working length, last file used, obturation, notes) to a specific patient
- Transfer your treatment report to your patient file



CAPTURE
TREATMENT
NOTES

Set the right expectation

Explain the endodontic treatment to your patient



Propex IQ® Apex Locator

An apex locator as the perfect complement to your practice



CONNECT
WIRELESSLY

Connectivity with the Endo IQ® Application

Get more from your cordless X-Smart IQ® Handpiece by simply combining it to the Propex IQ® Apex Locator via cable. Like this you efficiently monitor file progression and shape the canal simultaneously while being wirelessly connected to the Endo IQ® App visualizing file progression



LONG BATTERY
LIFE

Endurance

Can run combined with the X-Smart IQ® Handpiece and connected to the Endo IQ® App for up to 5.5 hours non-stop without a new battery charge



EASY &
RELIABLE

Reliable and easy to use

- Guarantees reliable monitoring of file progression in both combined and standalone mode
- Works with various irrigation solutions* if liquid is used
- Does not require any calibration; no adjustments need to be done



ULTRA
LIGHT &
PORTABLE

Ultra-light weight

Is a lightweight with only 80 grams and hence ultra portable. Its form factor is smaller than the Propex Pixi®. Small in size but big on performance



UPGRADE
VIA APP

Future proof

Is fully integrated in the Endo IQ® App and its firmware can be upgraded via an app update

*The following solutions have been tested: NaCl, NaOCl, EDTA, Qmix



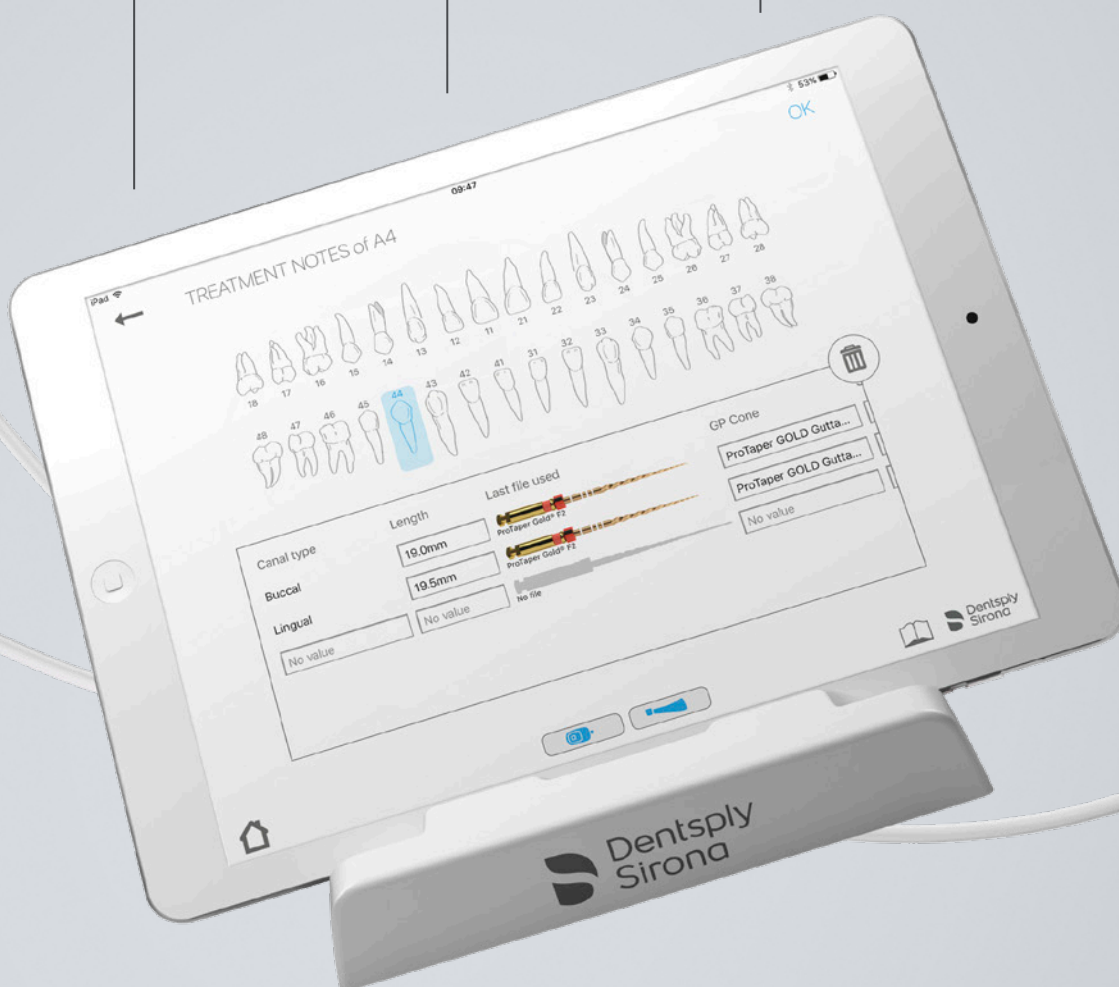
SUPPORTS ALL
IPAD SIZES IN
LANDSCAPE MODE



45 DEGREE
INCLINATION



IPADS CAN BE EASILY
PLACED ON STAND
WITH BARRIER SLEEVE



Designed for your
demanding environment

Technical Specifications



X-Smart IQ® Handpiece

Motor and Contra-Angle

- **Reciprocating and continuous motions**
- **Torque-reverse rotation at preset torque limit** (in both motions)
- **Calibration function (CAL)** for more precise torque setting
- **Stand-alone function:** Using the application, the motor can be set to run solely with reciprocating or continuous* settings without the iPad® to control it
- **Bluetooth® memory function:** If the Bluetooth® connection is lost, the X-Smart IQ® Handpiece can still function under the last motor settings used
- **Lithium-ion battery**
 - Autonomy for 16 treatments**
 - Full recharge in 6 hours
 - Automatic sleep mode and auto-power off
 - Motor handpiece is rechargeable during treatment
- **Torque range:** 0.5Ncm – 5Ncm (depending on maximum speed)
- **Speed range:** 250rpm – 850rpm
- Contra-angle head autoclavable at 134°C
- Universal charger (100-240V, 50 Hz / 60 Hz)

*Speed = 300rpm and torque = 2Ncm

**A treatment is defined as 2 canals with 4 files per canal used for 30s each



Endo IQ® App

Endo IQ® Application

- **The Endo IQ® App is compatible with current iPad® sizes/models supporting the latest two Apple iOS® versions**
- Includes file library with preset programs for WaveOne® Gold, WaveOne®, ProTaper Next®, ProTaper Gold®, ProTaper Universal®, Profile®, Pathfile® and ProGlider® files
- Customizable file library and compatible with other shaping systems
- Possibility to set-up multiple users



Propex IQ® Apex Locator

- Four operating modes: uncombined or combined mode with the X-Smart IQ® Handpiece endo motor, connected or unconnected to the Endo IQ® App
- Dimensions Length: 74.6 mm Width: 45.4 mm Height: 19.5 mm
- Weight 80 g (0.18 lbs)
- Power supply Rechargeable 2x Ni-MH Batteries: Minimum capacity 780 mAh 2.4 VDC nominal
- Charger power supply 100 - 240 VAC
- Frequency 50 - 60 Hz
- Bluetooth® 4.0 low energy



Endo IQ® iPad Stand

- Supports all iPad® sizes in landscape mode
- 45 degree inclination
- iPads® can be easily placed on stand with Barrier sleeve

Product References

X-Smart IQ® Handpiece

X-SMART IQ® ENDODONTIC HANDPIECE SET

A105480000000

X-Smart IQ® Handpiece, X-Smart IQ® Contra-angle

X-SMART IQ® BASIC STARTER KIT

A105400000000

X-Smart IQ® Handpiece, X-Smart IQ® Contra-angle, Endo IQ® Stand

X-SMART IQ® WAVEONE® GOLD STARTER KIT (WIGG)

B 00 XSIQ WIG KIT

X-Smart IQ® Handpiece, X-Smart IQ® Contra-angle, Endo IQ® Stand, WaveOne® Gold and WaveOne® Glider (34 files)

X-SMART IQ® WAVEONE® GOLD STARTER KIT (PG)

A105410000000

X-Smart IQ® Handpiece, X-Smart IQ® Contra-angle, Endo IQ® Stand, WaveOne® Gold and ProGlider® (34 files)

X-SMART IQ® PROTAPER NEXT® STARTER KIT (PG)

A105420000000

X-Smart IQ® Handpiece, X-Smart IQ® Contra-angle, Endo IQ® Stand, ProTaper Next® and ProGlider® (33 files)

X-SMART IQ® PROTAPER GOLD® STARTER KIT (PG)

A105430000000

X-Smart IQ® Handpiece, X-Smart IQ® Contra-angle, Endo IQ® Stand, ProTaper Gold® and ProGlider® (33 files)

Propex IQ® Apex Locator

PROPEX IQ® APEX LOCATOR

B00PPIQ000000

Apex Locator with accessories

IQ Ecosystem Kits

X-SMART IQ® & PROPEX IQ® BASIC STARTER KIT

B00PPIQXIQKIT

X-Smart IQ® Handpiece, Propex IQ® Apex Locator and Endo IQ® iPad Stand

X-SMART IQ® & PROPEX IQ® WAVEONE® GOLD STARTER KIT

B00PPIQWIGKIT

X-Smart IQ® Handpiece, Propex IQ® Apex Locator, Endo IQ® iPad Stand and WaveOne® Gold and WaveOne® Gold Glider (34 files)

X-SMART IQ® & PROPEX IQ® PROTAPER NEXT® STARTER KIT

B00PPIQPTNKIT

X-Smart IQ® Handpiece, Propex IQ® Apex Locator, Endo IQ® iPad Stand and ProTaper Next® and ProGlider® (33 files)

X-SMART IQ® & PROPEX IQ® PROTAPER GOLD® STARTER KIT

B00PPIQPTGKIT

X-Smart IQ® Handpiece, Propex IQ® Apex Locator, Endo IQ® iPad Stand and ProTaper Gold® and ProGlider® (33 files)

Endo IQ® Accessories

ENDO IQ® IPAD® STAND

B00IQ00STA000

BARRIER SLEEVE - 12.9 INCH IPAD® PRO

B00IQ00129BAR

BARRIER SLEEVE - 10.5 INCH IPAD® PRO

B00IQ00105BAR

BARRIER SLEEVE - IPAD®

B00IQ00097BAR

BARRIER SLEEVE - IPAD® MINI 4

B00IQ00079BAR

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Apex Locators

12 Golden Rules

1

Always use in combination with radiographs.

Over reliance on one or the other will result in insufficient information needed to obtain the most accurate outcome.

2

The presence of blood does not affect the measurement.

However, blood should not be overflowing out of the canal.

3

Use a file that matches the canal diameter.

A file too thin in a large canal can give different results when the measurement is repeated.

4

The root canals should be moist.

A dry canal will prevent conductivity, and will not give a reading.

5

No liquid overflow into pulp chamber.

In teeth with multiple canals it is important to ensure there is not liquid overflow into the pulp chamber.

6

Caution: Open or large apex.

All apex locators are unreliable in cases where there may be incomplete development or a large periapical lesion.

7

Remove all caries prior to endodontic treatment.

All caries needs to be removed prior to starting endodontic treatment. Also broken down crowns of teeth should be restored prior to any attempt to use an apex locator.

8

Avoid all contact with restorative materials containing metal.

9

Lateral canals are a limitation of all apex locators.

10

It is advisable to remove all gutta percha in canal prior to attempting any measurements.

11

Perforation or root fracture.

If after a few millimeters, the apex locator indicates you are at the apex, suspect a perforation. This is another instance where x-rays should be used to confirm your suspicions.

12

The only true measurement is when your apex locator is telling you that the file is at the minor apical foramen.

All other readings are only estimates.

- a. Major apical foramen
- b. Minor apical foramen

