

RDT3 Handpiece Head Instructions for Use

Indications for Use

RDT3 reciprocating dental handpiece attachment is intended for use in root canal preparations using the Self Adjusting File, SAF (ReDent Nova, Ra'anana Israel).

Device Description

RDT3 handpiece attachment is compatible with Kavo GENTLEpower low-speed handpiece contra-angle sheath (a designated adaptor can be used to comply with NSK and Midwest type handpieces). Designed to sustain prolonged exposure to sodium hypochlorite, the RDT3 is able to operate the SAF during root canal treatment procedures, while working with continuous sodium hypochlorite irrigation.










RDT3 compatible with KAVO RDT3 compatible with NSK RDT3 compatible with F Type connector

Mode of Operation

RDT3 is a reciprocating, vertical vibrating handpiece attachment and is capable of providing the SAF with an impact movement of approx. 0.4 mm. and up to 5,000 rpm drive speed required for conducting endodontic treatment. Low torque (max. 12 gr/cm) rotation motion is integrated in order to ease negotiation of the file into the root canal. The file is attached to the RDT3 head via friction grip.

Precautions

-  This device is to be used by dental professionals only.
-  The RDT3 head should be sterilized before each use.
-  Due to operation in a hypochlorite environment, the RDT3 surface should be wiped after each treatment.
-  Do not fit or remove the RDT3 head during operation.
-  Do not exceed 5,000 oscillations per minute (5,000 rpm)
-  Use only with SAF files (ReDent Nova, Ra'anana, Israel)
-  Contact with soft tissue by the instrument head / instrument tip should be avoided to prevent soft tissue injury.

Contraindications

Do not use without a rubber dam.

Inserting the RDT3 Head into the Handpiece


- RDT3 handpiece attachment is compatible with the Kavo GENTLEpower low-speed handpieces (a designated adaptor is available for use with NSK and Midwest type handpieces).
- To mount the RDT3 head on the designated handpiece, introduce the head up to a stop, making sure that the locating lugs rest correctly in the retaining slots.
- Secure the head using the locking ring.
- Before each treatment make sure that the RDT3 head and the locking ring are tightened firmly to prevent the detachment of the head.

Connection of the SAF to the RDT3 head:

Connect the SAF's shank to the RDT3 head using the friction grip attachment.

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Maintenance

 **Do not place product in disinfection baths, since otherwise malfunctions may occur.**

External manual disinfection: With Kavo Elastoclean 2, S&M Microcide or Durr FD322. Use according to the manufacturer's instructions for use.

Lubrication: Remove the file; attach the handpiece head to KAVO spray can nozzle and make sure the nozzle is well fitted. Press spray key for several seconds until clear oil comes out of the file hole at the top of the RDT3. Lubricate the RDT3 / RDT3-NX immediately after each use.

Note: For RDT3 NX F Type: use the dedicated F Type spray nozzle (NSK Z256090- See picture).










Sterilization: The RDT3 should be disconnected from the hand piece and sterilized before each use in the Gravitation process, pouched individually, at 132°C / 270°F for 15 minutes with a minimum dry time of 30 minutes.

Technical Data

Maximal drive speed:	5,000 rpm
Impact movement:	approx. 0.4 mm
Gear ratio:	1:1
Torque control for rotational motion:	max. 12 gr/cm

Symbols in use

Symbol	Description
	Read Instruction for use prior use
 XXXXXX	Catalog number
 XXXXX	Serial number
	CAUTION, consult accompanying documents
	CE mark
	Manufacturer: ReDent Nova 15 Ha'taasia Street, Ra'anana 43000, Israel. Tel: +972 9 7445130 / 70 Fax: +972 9 7445190 Email: office@redent.co.il
	European Representative: Obelis s.a. Boulevard General Wahis 53 1030 Brussels, BELGIUM Tel: +32 2 732 59 54 Fax: + 32 2 732 60 03 Email: mail@obelis.net