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DENTSPLY MAILLEFER

START-X™

ACHIEVE HIGHER CONTROL AND PRECISION WITH ULTRASONIC INSERTS SPECIFICALLY DESIGNED FOR ***ACCESS CAVITY REFINEMENT*** *AND* ***CANAL ORIFICE LOCATION***



+ WE KNOW ENDO.

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A well prepared access cavity and **location of canal openings** are recognized as key factors to the **success of endodontic treatments**

The use of ultrasonic inserts is advised for these applications thanks to two main characteristics:

- A great working precision
- An incomparable view of the operative field

DENTSPLY Maillefer has therefore developed, together with Dr Berutti, Dr Cantatore and Dr Castellucci, a range of ultrasonic tips based on a simple concept ONE TIP - ONE CLINICAL INDICATION



Each tip has been designed for a specific indication and has the following main characteristics:



MICRO MILLED ACTIVE PART

- Minimized risk of potential diamond grit loss in the patient's mouth

WATER PORT

- Cools down the insert and avoids overheating of the treated tooth. This is particularly important when removing metal posts which usually require high energy
- The intermittent use of irrigation enables the clinician to alternate between dry precision work and debris evacuation

EXCELLENT RESISTANCE TO FRACTURE

*"According to my clinical experience, the START-X™ tips are one of the most fracture resistant ultrasonic inserts I have used"**

Professor Elio Berutti

*Individual clinical results may vary

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ONE TIP – ONE CLINICAL INDICATION

1



START-X™ #1

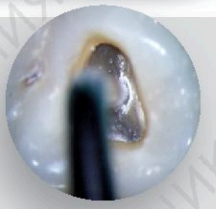


- > **Application** • **Access cavity wall refinement**
- > **Non active tip** • Avoids accidentally damaging the pulp chamber floor
- > **Active lateral part** • Creates a straight access to the canal

2



START-X™ #2



- > **Application** • **MB2 canal scouter** (2nd canal mesio buccal root)
- > **Active tip** • Removes the dentine that often conceals the MB2 access in upper molars
- > **Active lateral part** • Creates a straight access to the canal

3



START-X™ #3



- > **Application** • **Canal openings scouter**
- > **Active tip** • Removes the obstructions that prevent a straight access to the canal

4



START-X™ #4



- > **Application** • **Metal post removal**
- > **Specific design** • Suitable for working efficiently both on the top and the sides of the metal post
- > **Water port** • Avoids over heating

5



START-X™ #5



- > **Application** • **Reveals the original pulp chamber floor anatomy**
- > **Active tip** • Canal orifice location made easier thanks to the removal of calcifications and filling materials that hide the original pulp chamber floor anatomy
- > **Thin and cylindrical tip** • Good visibility

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POWER SETTINGS

In general, within the recommended guidelines, start with a lower power setting and only increase the power if necessary to safely accomplish the procedural task

	SATELEC P5 NEWTRON		EMS MINIPIEZON	
	Min ←	Max →	Min ←	Max →
START-X™ 1	16	18	8	9
START-X™ 2	16	18	8	9
START-X™ 3	10	18	4	7
START-X™ 4	18	20	9	10
START-X™ 5	7	18	3	8

Power settings for other ultrasonic units are available on DENTSPLY Maillefer website www.dentsplymaillefer.com

- The power setting is adjusted depending on the specific clinical application
- The inserts have been designed to be exclusively used with a Piezo ultrasonic generator
- Technical specification/thread: EMS type M3 x 0.5mm
  Satelec type M3 x 0.6mm

REFERENCES



M3x0.6mm SATELEC type	M3x0.5mm EMS type	START-X™ 1	START-X™ 2	START-X™ 3	START-X™ 4	START-X™ 5	X box
A 0660-1	A 0661-1	●					1x
A 0660-2	A 0661-2		●				1x
A 0660-3	A 0661-3			●			1x
A 0660-4	A 0661-4				●		1x
A 0660-5	A 0661-5					●	1x
A 0660-900	A 0661-900	●	●	●	●	●	5x

Available on Dentsply Maillefer website www.dentsplymaillefer.com a video from Dr Berutti, Dr Cantatore and Dr Castellucci, illustrating the use of each *START-X™* insert

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Technical modifications on our products are not subject to notifications. Photos of our instruments are not contractual
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