Caries Removal Made Safer

MI Stainless Burs

Selective Cutting of Decalcified Dentin
— Minimally invasive preparation that leaves healthy tooth structure intact. —
The MI Stainless Burs are designed and engineered to selectively remove softened carious dentin without cutting healthy calcified dentin.

Vertical Section of Carious Dentin

Pre-caries removal

Infected layer

Translucent layer

Post-caries removal

Infected layer

Translucent layer

Corrosion Resistance

Autoclave test

Before sterilization

After 10 Autoclave Cycles

Dental burs are considered to be surgical instruments and therefore need to be properly sterilized following use. MI Stainless Burs are composed of stainless steel and can be repeatedly autoclaved without risk of corrosion.

Cutting Performance

The blade rake angles on the MI Stainless Burs are specifically engineered to remove decalcified softened dentin.

Blade Durability

Cutting flutes have excellent wear resistance due to the hardness of the stainless steel.

Sizes

Available in 3 lengths and 7 bur head sizes to meet all clinical requirements. The 28mm MI Stainless Burs provide length to reach difficult to access areas. The 34mm length provides enhanced bur head visibility, ideal for use with a microscope.

MI Stainless Burs

22mm

28mm

34mm

Maximum RPM: 28mm: 17000 rpm

34mm: 8000 rpm

Assortment: #1 through #8 (22, 28, 34 mm)

6 Burs per pack

One Point

Be sure not to cut excessively by using the guide of tactile sensation difference between cavity floor and side wall of cavity.

CAUTION

Before use MI Stainless Burs, see the instructions as indicated below. For dental use only. Sterilize before use. Set a bur to a handpiece properly according to handpiece manufacturer’s instruction. Before each use, run the bur in the handpiece to ensure it has not been bent from previous usage. If the bur runs off center, discard and replace with a new bur. Before use, remove tags such as green and metal completely. Burs should not be used above max. RPM value (see chart above) to avoid possibility of injury due to breakage. Care should be taken not to apply excessive lateral pressure during use, especially on the long neck 34mm bur. Eye protection should always be provided for operator and patient during use. Water spray coolant can be used to minimize pulpal irritation. Discarded burs should be treated as medical waste.

Design and specification are subject to change without notice.

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