Ti-Max Z45L

45-Degree Angled Head Supplies Superior Accessibility and Maximum Visibility

The world’s first 45-degree contra-angle, Ti-Max Z45L provides effortless access to hard-to-reach molars that a standard contra-angle simply can’t match. The slim-form Ti-Max Z45L also offers excellent visibility and high operability, creating more space between adjacent teeth and the handlebox body. Ti-Max Z45L’s powerful and consistent cutting shortens treatment time for time-consuming sectioning and third molar extractions compared to standard contra-angles, dramatically reducing stress for both clinicians and patients.

In addition, Ti-Max Z45L boasts the world’s first two-way spray function, making it suitable for a wide range of procedures such as third molar preparation and scalings of the root canal orifice.

Superior Accessibility
The 45-degree angled head allows easy access to the molar region, minimizing interference from the lateral teeth and adjacent teeth.

Two-Way Spray Function
This world’s first two-way spray function allows you to instantly choose a mist or jet spray depending on the conditions and procedures with an enclosed water-cooled handpiece. The water jet spray prevents subcutaneous emphysema in surgical procedures, and the mist spray effectively cools the bur while cutting.

Takes from Standard Bur (20mm) to Long Bur (25mm)
Ti-Max Z45L, in versatile, handling a wider range of burs from 20mm standard bur to 25mm long bur depending on what the procedure requires.
Superior Accessibility Enables a Vast Variety of Clinical Applications

Sectioning a Mandibular Left Impacted Third Molar
You can gain a comfortable finger rests without stress thanks to the extra leverage of the Ti-Max Z45L, situated between the front teeth. It's also easy to maintain the bur at an optimal angle and a fine precise sectioning when other the operating depth is close to apexes.

Caries Removal from Maxillary Left Second Premolar on Palatal Side
When working on the palatal side of a second premolar, Ti-Max Z45L ensures that you can operate smoothly and have plenty of working space between the maxillary adjacent teeth.

Caries Removal from a Maxillary Left Lateral Incisor’s Cervical Area
Securing a solid finger rests on a front tooth enables stable cutting without interference from other teeth. Once you can also freely control the angle of the bur, minimal intervention treatments are also possible.

Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar
Ti-Max Z45L enables you to work smoothly without interference from the adjacent teeth. Its flexibility also means treatments safer and more precise.
Ti-Max Z45L

Reliable Core Features Bring Greater Safety and Usability

- Titanium Body with Scratch-Resistant DURACOAT
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray (Water Jet / Mist)
- Microfilter
- Anti Heat System

Clean Head System
The flatbed NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings.

Ceramic Bearings
Ceramic Bearings are 25% harder than conventional steel bearings but are half the weight. Because frictional wear between the ball bearings and the bearing retainer is significantly reduced the efficiency and durability is significantly increased.

NSK DURACOAT
DURACOAT: NSK's latest surface enhancement technology takes advantage of the non-alloy and bio-compatible properties of titanium to further improve durability. DURACOAT creates a smooth, scratch resistant surface which is comfortable to hold.

Solid Titanium Body
Titanium is 35% lighter than stainless steel, more durable and corrosion resistant. The reduced weight and well-balanced shape gives a natural tactile sense.

Microfilter
Microfilter to prevent particles from entering the water spray system to guarantee optimum water spray cooling at all times.

Anti Heat System
NSK's unique head cap design helps to limit heat generation and to disperse heat generation during treatment. NSK is always putting patient's safety first.

1:4.2 Increasing
- Z45L series (741)
- For FG burs (41)
- Max Speed: 180,000 rpm

Water Jet
Mist