Ti-Max X450

• Titanium Body with Scratch Resistant DURACOAT • Cellular Glass Optics
• Ceramic Bearings • Clean Head System • Push Button Chuck • Triple Water Jet

Power : 21 W (X450L, X450), 18W (KL, WLED, WHL, MWL, STL, 5H, M4) • For FG extra-long bur (25mm) only
Speed : 380,000~450,000 min^{-1}, Head Size : ø11.2 x H13.5 mm

Connect to NSK Couplings





LED NSK Coupling

Optic MODEL X450L ORDER CODE P1078

Non-Optic MODEL X450 ORDER CODE P1088

Connect Direct to Other Coupling Brands

LED Compatible Turbines with Integral LED





LED KaVo® LED Coupling

Optic MODEL X450KL ORDER CODE P1079





W&H® Roto Quick (RQ Type)

Optic MODEL X450WLED ORDER CODE P1082





W&H® Roto Quick (RA Type)

Optic MODEL X450WHL ORDER CODE P1089





MIDWEST®

Optic MODEL X450MWL ORDER CODE P1090





StarDental®

Optic MODEL X450STL ORDER CODE P1091

Direct-connect / Screw-on type





Midwest 5 hole

Optic MODEL X450 5H ORDER CODE P1093





Midwest 4 hole

Non-Optic MODEL X450M4 ORDER CODE P1092

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W&H® is a registered trademark of W&H Dentalwerk Bürmoos GmbH.
MIDWEST® is a registered trademark of DENTSPLY International Inc.
StarDental® and HiFlo® are registered trademarks of DentalEZ Inc.

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Specifications are subject to change without notice.

REF PR-D759A Ver.1 13.00.00.0



Ti-Max X450

Unique 45-degree angled head provides incredible accessibility.
Ensures smooth sectioning and extraction of third molars and other impacted teeth.

Powerful Partners®

Ti-Max X450

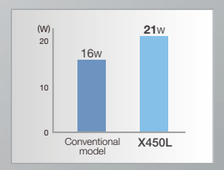
The slim-form Ti-Max X450 series possesses a unique 45-degree angled head specially designed to access hard-to-reach areas for sectioning and extraction of third molars and other impacted teeth. The X450's robust 21 watts of cutting power and effective cooling system — featuring triple water jets — ensure safe and effective treatment during a variety of surgical procedures.





Superior Accessibility

The 45-degree angled head offers excellent accessibility and visibility during root separation procedures and the removal of hard tissue covering impacted third molars.



A Potent 21W of Cutting Power

NSK's original twin-nozzle head fully transmits the power of the air turbine to the X450's rotor, generating the high torque needed for powerful, consistent cutting.



Triple Water Jets & Cellular Glass Optics

NSK's Triple Water Jet system efficiently bathes the bur at all operating speeds, providing maximum cooling.

The Ti-Max X450 permits optimal access to molars and a diverse range of operative procedures.

Mandibular Right Third Molar Extraction



Ti-Max X450

The labial and cheek mucous membranes do not interfere with treatment, and the bur can be maintained at a safe and optimal angle due to no contact on the turbine body. The X450's slim form factor also provides maximum visibility.



Standard Turbine's Head Angle

Extending the labial or cheek mucous membranes is hard, which makes feel delicate tactile sense while cutting difficult. Maintaining the bur at an optimal angle and direction is also problematic.

Sectioning Extraction, Mandibular Left First Molar



Ti-Max X450

Establishing a finger rest is simple and stress-free because of the enough space between the front teeth. Maintaining the bur at an optimal angle is also easy, and enables precise sectioning even if the working depth is close to apex.



Standard Turbine's Head Angle

If a front tooth is extruded or a sharp Spee's curvature exists, the angle and flexibility of the bur will be restricted, making sectioning at the desired depth and direction awkward.

Tooth Preparation at Distolingual Line Angle, Mandibular Right First Molar



Ti-Max X450

The labial and cheek membranes and rows of teeth have only a minor influence on the procedure. Even if the working tooth inclines to the buccal side, the axial wall can be prepared without undercuts, and establishing a finger rest on an adjacent tooth is easy.



Standard Turbine's Head Angle

Maintaining the bur at an optimal angle is hard due to interference by the front teeth and soft tissue, creating the danger of undercuts. Establishing a stable finger rest is also difficult, and the burden placed on the wrist hinders smooth handling.