



## Concentrated NSK LED light delivers clearer visibility with your existing turbines

Just by changing your coupling for a NSK LED coupling you can introduce the latest technology to your treatment and benefit from unmatched illumination.

### LED Couplings • Titanium Coating



MODEL: **PTL-CL-LED**  
ORDER CODE: **P1001600**  
For NSK



MODEL: **PTL-CL-LED III**  
ORDER CODE: **P1001601**  
For NSK with  
water volume adjuster



MODEL: **KCL-LED**  
ORDER CODE: **P1005600**  
For KaVo® MULTiflex® LUX  
with water volume adjuster



MODEL: **SCL-LED**  
ORDER CODE: **P1009600**  
For Sirona® Quick Coupling  
with water volume adjuster

### Clearer

LEDs generate natural daylight quality light which assures clearer vision when compared to halogen light.

### Durable

LED light sources are longer lasting and more durable than halogen bulbs.

### Safer

LED light is safer as it generates less heat than a halogen bulb. Natural daylight quality LED light is easy on the eye.



NSK LED



Ordinary Halogen



# Ti-Max X

*eXtreme Premium Series*  
AIR TURBINES



**Ti-Max X**  
*eXtreme Premium Series*  
CONTRA-ANGLES

# Ti-Max X Prophylaxis Handpieces



with Tip Lock Mechanism



**Optic** MODEL: **X55L** ORDER CODE: **C608**  
**Non-Optic** MODEL: **X55** ORDER CODE: **C618**  
**4:1 Reduction**  
 • Single Spray • For Profin / EVA Tips  
 • Vertical Reciprocating (Stroke Length 1.4mm)  
 • Max Speed: 10,000 min<sup>-1</sup>



Special Dust Proof



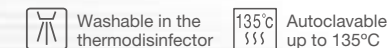
**Optic** MODEL: **X57L** ORDER CODE: **C609**  
**Non-Optic** MODEL: **X57** ORDER CODE: **C619**  
**16:1 Reduction**  
 • For Screw-in Cups and Brushes • 360° Rotation  
 • Max Speed: 2,500 min<sup>-1</sup>



## Straight Handpiece



**Optic** MODEL: **X65L** ORDER CODE: **H273**  
**1:1 Direct Drive**  
 • Single Spray  
 • For HP burs (ø2.35)  
 • For CA burs (ø2.35)\*  
 • \*Need to insert the supplied bur stopper  
 • Max Speed: 40,000 min<sup>-1</sup>







Single Water Spray



**Optic** MODEL: **X85L** ORDER CODE: **C604**  
**Non-Optic** MODEL: **X85** ORDER CODE: **C614**  
**1:5 Increasing**  
• Single Spray • Miniature Head  
• For FG burs (ø1.6) • Max Speed: 200,000 min<sup>-1</sup>  
\*Short Shank burs only



**Optic** MODEL: **X20L** ORDER CODE: **C605**  
**Non-Optic** MODEL: **X20** ORDER CODE: **C615**  
**1:1 Direct Drive**  
• Single Spray • For FG burs (ø1.6)  
• Max Speed: 40,000 min<sup>-1</sup>



**Optic** MODEL: **X10L** ORDER CODE: **C603**  
**Non-Optic** MODEL: **X10** ORDER CODE: **C613**  
**16:1 Reduction**  
• Single Spray • For CA burs (ø2.35)  
• Max Speed: 2,500 min<sup>-1</sup>



**Optic** MODEL: **X12L** ORDER CODE: **C606**  
**Non-Optic** MODEL: **X12** ORDER CODE: **C616**  
**10:1 Reduction**  
• Single Spray • For CA burs (ø2.35)  
• Max Speed: 4,000 min<sup>-1</sup>

Washable in the  
thermodisinfectors  
135°C  
Autoclavable  
up to 135°C

Endodontic Handpieces



**Optic** MODEL: **X35L** ORDER CODE: **C620**  
**Non-Optic** MODEL: **X35** ORDER CODE: **C624**  
**10:1 Reduction**  
• Single Spray • For Hand File & Engine File  
• 60° Twist • Max Speed: 4,000 min<sup>-1</sup>



QF Adaptor included  
Suitable for both hand and engine files to give  
you greater flexibility and cost-effectiveness



**Optic** MODEL: **X70L** ORDER CODE: **C622**  
**Non-Optic** MODEL: **X70** ORDER CODE: **C626**  
**64:1 Reduction**  
• Single Spray • For Ni-Ti File • 360° Rotation  
• Max Speed: 300min<sup>-1</sup>



**Optic** MODEL: **X75L** ORDER CODE: **C623**  
**Non-Optic** MODEL: **X75** ORDER CODE: **C627**  
**128:1 Reduction**  
• Single Spray • For Ni-Ti File • 360° Rotation  
• Max Speed: 300min<sup>-1</sup>

Please keep the rotation speed with your file manufactures designate.

Washable in the  
thermodisinfectors  
135°C  
Autoclavable  
up to 135°C

# Ti-Max X

eXtreme Premium Series

## CONTRA-ANGLES



Quattro Spray



**Optic** MODEL: **X95L** ORDER CODE: **C600**

**Non-Optic** MODEL: **X95** ORDER CODE: **C610**

**1:5 Increasing**

- Quattro Spray • For FG burs (ø1.6)
- Max Speed: 200,000 min<sup>-1</sup>



**Optic** MODEL: **X25L** ORDER CODE: **C601**

**Non-Optic** MODEL: **X25** ORDER CODE: **C611**

**1:1 Direct Drive**

- Single Spray • For CA burs (ø2.35)
- Max Speed: 40,000 min<sup>-1</sup>

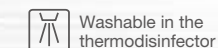


**Optic** MODEL: **X15L** ORDER CODE: **C602**

**Non-Optic** MODEL: **X15** ORDER CODE: **C612**

**4:1 Reduction**

- Single Spray • For CA burs (ø2.35)
- Max Speed: 10,000 min<sup>-1</sup>



Washable in the  
thermodisinfectant



135°C  
Autoclavable  
up to 135°C



# Ti-Max X

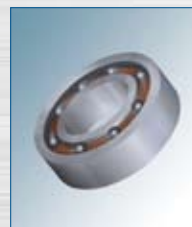
*eXtreme Premium Series*

## CONTRA-ANGLES

### Quiet and no vibration

NSK ultra-precision micro machining technology know-how has been applied to design an internal gearing system that remarkably reduces noise and vibration to the lowest level resulting in improved comfort for patients and clinicians.

### Ceramic Bearings



Ceramic Bearings are 25% harder than conventional steel bearings but are only half the weight. Because frictional wear between the ball bearings and the bearing retainer is significantly reduced the efficiency and durability is significantly increased. (X95L / X95 / X85L / X85)

### Clean Head System



The patented 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.



### Quattro Water Spray & Cellular Glass Optics



The NSK Quattro Water Spray effectively cools the entire operating field whilst the cellular glass optic rod delivers light exactly where it is needed. (Quattro Water Spray: X95L / X95)

### Solid Titanium Body



Titanium is 30% lighter than stainless steel, more durable and corrosion resistant. The reduced weight and well balanced shape give an unmatched tactile sense.

### NSK DURACOAT

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

# Ti-Max X

*eXtreme Premium Series*

CONTRA-ANGLES

## FEEL THE SATISFACTION OF X SERIES PERFORMANCE

NSK X Series contra-angles feature the latest technology combined with elegant yet ergonomic design. X Series contra-angles have been designed without compromise paying attention to every last detail. Best possible access to the operating field and maximum visibility were the most important criteria during the design process of the instrument body. Unrivalled reliability and superior operator and patient comfort reflect all the know how which has been built into each and every model of the NSK Ti-Max X Series.



Specifications are subject to change without notice. [2009.9]

**NSK** [www.nsk-inc.com](http://www.nsk-inc.com)

