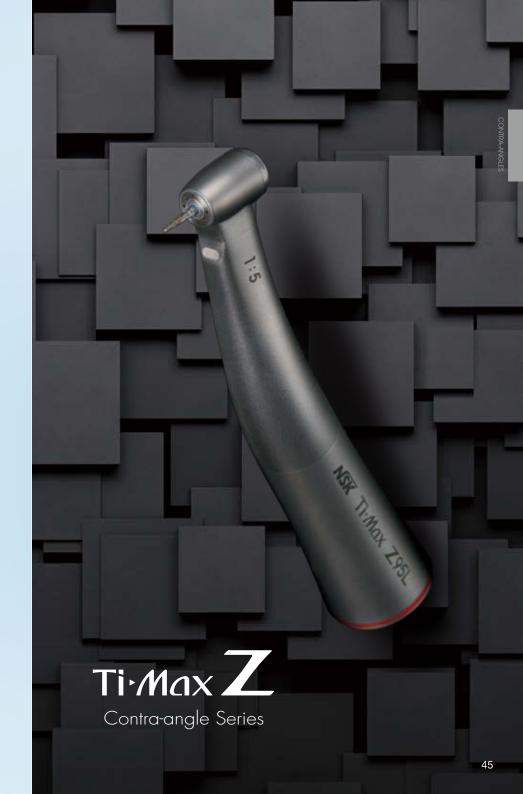
Which handpiece?

Choose the handpiece that matches your hand.

	Ti·Max Z	Ti·Max Z45 L	TI-Max	5·Max	FXserles
	Ti-Max Z95L	Ti-Max Z45L	Ti-Max X12L	S-Max M95L	FX25m
Rank	Premium	Special	Advanced	Advanced	Basic
Head Size	ø8.9 x H13.4 mm (Super mini)	ø9.6 x H14.5 mm	ø8.9 x H12.3 mm	ø10.0 x H14.6 mm	ø9.6 x H13.4 mm
Body	Titanium	Titanium	Titanium	Stainless	Stainless
DURAGRIP	•				
DURACOAT					
DLC Coating	•				
Anti Heat System	•				
Ceramic Bearings	•				
Cellular Glass Optics		•	•	•	
Clean Head System	•	•	•	•	
Push Button Chuck	•				
Water Spray	Quattro	Quattro (Water Jet / Mist)	Single	Quattro	
Microfilter		•			
Ergo Grip					





DURABLE

A stunningly durable and reliable handpiece

NSK has combined advanced design and world-class processing technology to create incredibly durable instruments. The gear is coated with special diamond-like carbon to make wear resistance up to five times greater than on previous models. NSK's advanced technologies have boosted sterilization resistance, delivering even better reliability for dental practices.





ADVANCED TECHNOLOGY

Amazingly Silent Operation

Amazing silence and minimal vibration: The marriage of microprecision parts and gears has lowered noise and vibration even more to provide comfort for clinicians and patients alike.



Anti Heat System (Z95L, Z85L, Z84L)

Our proprietary Anti Heat System dramatically reduces the heat typically experienced with speed increasing contra-angles. This feature improves patient safety without compromising manoeuvrability.

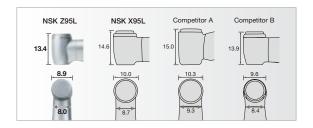
OUTSTANDING OPERABILITY

The Smallest Head

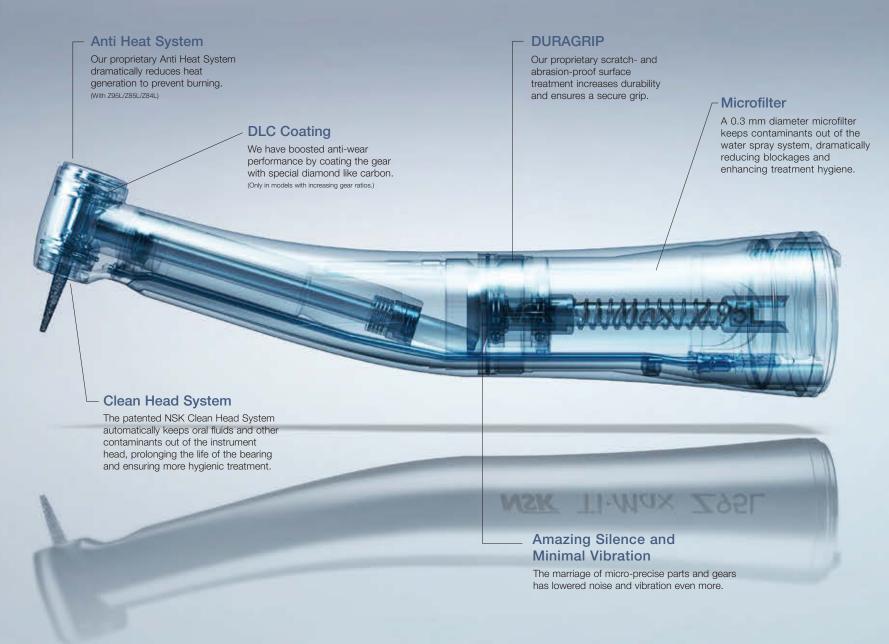
The head is angled 2° more than on the X95L for much better visibility and accessibility even for molars and other areas that are difficult to treat.

The Slimmest Neck

The slimmer neck provides much better visibility compared to existing products, delivering wide visibility of all treatment areas.



TECHNOLOGY & FUNCTION



Max Speed: 40,000 min

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics Clean Head System (Exclude Z84L)
- Push Button Chuck Microfilter







Single Spray



1:5 Increasing • Exceptional Durability • Single Spray • Miniature Head • For FG burs (ø1.6) • Ceramic Bearings • DLC Coating Anti Heat System
 Max Speed: 200,000 min⁻¹ *Short Shank burs only



Head size comparison

Z85L offering extraordinary visibility and accessibility.



Quattro Spray

52



1:4.5 Increasing • Exceptional Durability • Quattro Spray • Miniature Head • For FG burs (ø1.6) • Ceramic Bearings • DLC Coating Anti Heat System
 Max Speed: 180,000 min *Short Shank burs only



Head size comparison Z84L offering extraordinary visibility and accessibility.





Single Spray









Max Speed: 2,500 min⁻¹





Ti-Max Z45L

45-Degree Angled Head Supplies Superior Accessibility and Maximum Visibility





Superior Accessibility

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

- Titanium Body with Scratch Resistant DURAGRIP 45° Angle Head
- Cellular Glass Optics Ceramic Bearings Clean Head System Push Button Chuck
- Quattro Spray (Water Jet / Mist) Microfilter Anti Heat System DLC Coating

Two-Way Spray Function





The world's first two-way spray function allows you to instantly choose a mist or jet spray depending on the conditions and procedure with an enclosed dedicated tool. The water jet spray prevents subcutaneous emphysema in surgical procedures, and the mist spray effectively cools the bur while cutting.



Superior Accessibility Enables a Vast Variety of Clinical Applications



Sectioning a Mandibular Left Impacted Third Molar

You can gain a comfortable finger rest without stress thanks to the extra space the slim Ti-Max Z45L creates between the front teeth. It is also easy to maintain the bur at an optimal angle and achieve precise sectioning, even when the operating depth is close to apex.



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.



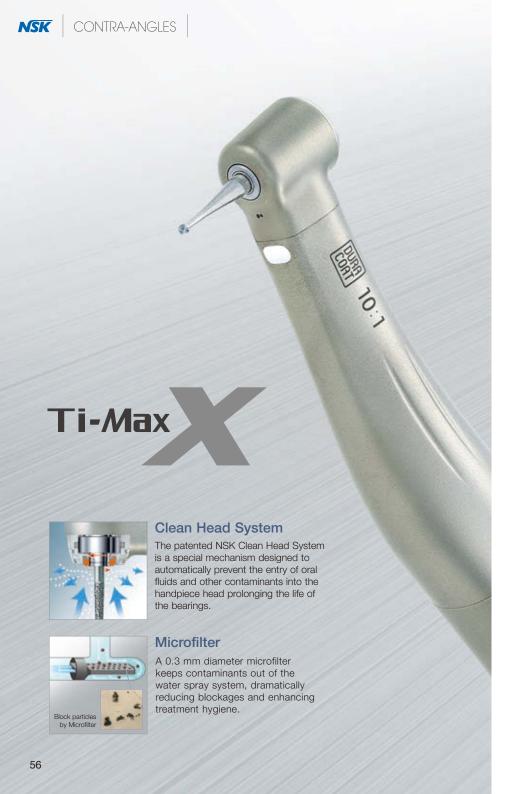
Caries Removal from a Maxillary Left Lateral Incisor's Cervical Area

Securing a solid finger rest on a front tooth enables stable cutting without interference from other teeth. Since 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 prep smoothly without interference from the rubber dam clamp. Its flexibility also makes treatments safer and more precise.





- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics Clean Head System (Exclude X35L / X35)
- Push Button Chuck (Exclude X65L / X65) Microfilter (Exclude X65L / X65)



Single Spray



10:1 Reduction • Single Spray • For CA burs (ø2.35) Max Speed: 4,000 min⁻¹

Straight Handpiece Optic MODEL X65L ORDER CODE H273 Non-Optic MODEL X65 ORDER CODE H274

1:1 Direct Drive • Single Spray • For HP burs (ø2.35) For CA burs (ø2.35)*
 Max Speed: 40.000 min⁻¹ *Need to insert the supplied bur stopper

Endodontic Handpiece TI-Max X351 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-1



MODEL QF Adaptor ORDER CODE C877701

[■] Please keep the rotation speed with your file manufactures designate.



- Titanium Body with Scratch Resistant DURACOAT

Prophylaxis Handpieces





4:1 Reduction • Single Spray • For Profin / EVA Tips
• Vertical Reciprocating (Stroke Length 1.4mm)
• Lamineer Tips not included
• Max Speed: 10,000 min⁻¹



58



16:1 Reduction • For Screw-in Cups and Brushes • 360° Rotation • w/o Spray • Max Speed: 2,500 min⁻¹

S·Max/

Incomparable Powerful Cutting and Superb Grip

S-Max M Series contra-angles allow cost-effective powerful cutting. Durable and quiet the ergonomic and well balanced instrument allows good accessibility and has superb grip. The NSK S-Max M Series has been designed without compromise.



5·Max M







1:5 Increasing • Quattro Spray • For FG burs (ø1.6) • Ceramic Bearings • Max Speed: 200,000 min-1



Single Spray



1:1 Direct Drive • Single Spray • For CA burs (ø2.35) Max Speed: 40,000 min⁻¹



4:1 Reduction • Single Spray • For CA burs (ø2.35) Max Speed: 10,000 min⁻¹



• For CA burs (ø2.35)* • Max Speed: 40,000 min-1 *Need to insert the supplied bur stopper

FX series

Integrated Handpieces: Ergonomic: Eunctional: Reliable

After 35 years of outstanding global success, the classic NSK EX handpiece series has now evolved into a new stage. - NSK FX handpiece series - a modernization of the EX series. The traditional NSK simple design technology, functional reliability, durability, and cost effective pricing still remains, but FX has been updated to an integrated design in response to modern demands.



Durable Stainless Steel Body

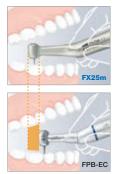
Stainless is lighter and more durable than brass. Handpiece weight is considerably reduced and ergonomic hand comfort is greatly enhanced with a realistic tactile sense.

Improved visibility: Ideal balance

The extra slim head and body design greatly improves direct and indirect visibility to the oral operational field. This includes increased visibility of even difficult access areas in the oral cavity.

The slim, lighter weight design delivers an entirely comfortable ergonomic balance, especially when used in conjunction with the new NSK FX Mini Air motor.





Maximum accessibility

Easy Cartridge Replacement

In some instances cartridges are easily replaced in surgery with the accessory tools supplied with the new product. Service costs and downtime are reduced (FX25m).



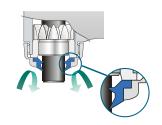
Clean Head System

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. (FX25m / FX15m / FX65m)



FX57m Paste Defense System

The prophylaxis handpiece head incorporates the unique NSK Paste Defense System which prevents dust and polishing paste debris from entering the handpiece. In addition, the NSK DLC coating on the rotor prevents possible breakage caused by surface abrasions from the polishing paste. These are some features that illustrate extended FX handpiece durability.



62 63

FX series

General Applications Handpiece

External Water Spray

1:1 Direct Drive



- For CA burs (ø2.35) Push Button Chuck · Stainless Steel Body · Clean Head System
- Ball Bearing Max Speed: 40,000 min⁻¹

1:1 Direct Drive



• For CA burs (ø2.35) • Latch type Max Speed: 30.000 min⁻¹

4:1 Reduction



- For CA burs (ø2.35) Push Button Chuck
- · Stainless Steel Body · Clean Head System
- Ball Bearing
 Max Speed: 10,000 min⁻¹

Endodontic Handpiece

External Water Spray

16:1 Reduction

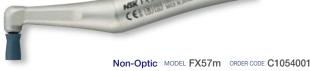


• Miniature Head • For engine files • Stainless Steel Body • 360° Rotation • Push Button Chuck Max Speed: 1,250 min⁻¹

Prophylaxis Handpiece

4:1 Reduction





• For screw-in cups and brushes • Stainless Steel Body • 360° Rotation • w/o Spray • Paste Defense System Max Speed: 5,000 min-1

Straight Handpiece

1:1 Direct Drive



• For HP burs (ø2.35) • Stainless Steel Body Clean Head System
 Max Speed: 40,000 min-



MODEL Spray Nozzle ORDER CODE H019711

• For FX65m (Optional)



EX Series Heads & Handpieces

External Water Spray

Heads for General Application Non-Optic



MODEL FPB-Y ORDER CODE C875

- For CA burs (ø2.35) Clean Head System
- Push Button Chuck Ball Bearing
- Max Speed: 40,000 min-1



MODEL NAC-Y ORDER CODE C032002

- For CA burs (ø2.35) Latch type
- Max Speed: 30,000 min⁻¹



MODEL BB-Y ORDER CODE C037

- For CA burs (ø2.35) Latch type
- Ball Bearing Max Speed: 40,000 min⁻¹



MODEL NBBW-Y ORDER CODE C211

- For CA burs (ø2.35) Latch type Ball Bearing
- With Water Nozzle
 Max Speed: 40,000 min⁻¹



MODEL NM-Y ORDER CODE C247

- Miniature Head Latch type
- For CA burs (ø2.35)
 Max Speed: 30,000 min⁻¹



MODEL FFB-Y ORDER CODE C884

- For FG burs (ø1.6) Clean Head System
- Push Button Chuck Max Speed: 40,000 min-1



MODEL NRS2-Y ORDER CODE C549

- 10:1 Reduction For CA burs (ø2.35)
- Clean Head System Push Button Chuck
- Max Speed: 3,000 min⁻¹

Heads for Prophylaxis Application Non-Optic



MODEL AR-Y (S) ORDER CODE C187

- · For screw-in cups and brushes
- Max Speed: 5.000 min⁻¹



MODEL AR-Y (K) ORDER CODE C188

- For snap-on cups
- Max Speed: 5,000 min⁻¹



MODEL EVA-Y ORDER CODE C235

- For Eva tips Vertical Reciprocating (Stroke Length 1.4mm)
- Max Speed: 10,000 min⁻¹

Spray Nozzle



MODEL Spray Nozzle ORDER CODE C032701

 For NAC, BB, FPB, FFB, TEP (Optional)



MODEL Spray Nozzle ORDER CODE C039701

• For NM (Optional)

Heads for Endodontic Application Non-Optic



MODEL MP-Y ORDER CODE C547

- Miniature Head Push Button Chuck
- Max Speed: 20.000 min⁻¹





MODEL ECM ORDER CODE C100007

• 1:1 Direct Drive



MODEL MPA-Y ORDER CODE C548

- · Connection for Apex locator (For long shank)
- Max Speed: 20,000 min-1
- MODEL ER4M ORDER CODE C634002
 - 4:1 Reduction



MODEL MPAS-Y ORDER CODE C882

- Connection for Apex locator (For short shank)
- Miniature Head Push Button Chuck
- Max Speed: 20,000 min-1



• 10:1 Reduction



MODEL TEQ-Y ORDER CODE C849

• 80° Twist • For engine files (ø2.35)

MODEL TEP-Y ORDER CODE C837

• 60° Twist • For hand files

Max Speed: 4,000 min⁻¹

· Push Button Chuck

- Push Button Chuck
- Max Speed: 4.000 min.



• 16:1 Reduction



MODEL ER64M ORDER CODE C637002

• 64:1 Reduction

■ Handpieces and heads are sold separately. You can combine handpieces and heads according to your wishes and the indication.