



CONTRA-ANGLES



Grade	PREMIUM	SPECIAL	ADVANCED	BASIC
Body	Titanium	Titanium	Stainless	Stainless
DURAGRIP	●	●		
DURACOAT				
Anti Heat System	●	●		
Ceramic Bearings	●	●	●	
Cellular Glass Optics	●	●	●	
Clean Head System	●	●	●	●
Push Button Chuck	●	●	●	● except FX22
Water Spray	Quattro	Quattro	Quattro	
Two-Way Spray Function	●	●		
Microfilter	●	●		
Ergo Grip	●	●	●	●

Ti-Max Z

Premium

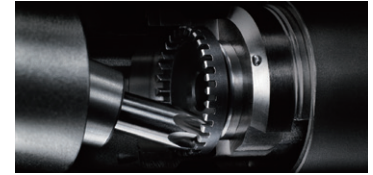




ADVANCED TECHNOLOGY

Amazingly Silent Operation

Amazing silence and minimal vibration: The marriage of micro-precision 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.

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.

COMFORT

The Ultimate in Handpieces The Result of Invaluable Clinical Feedback

The handpiece is more user-friendly, cleaner, and safer. By reviewing everything from the shape of the instrument, to hygiene aspects and safety features using the most advanced technologies, we have made the contra-angle more ergonomic and comfortable for the clinician and safer for the patient, reducing stress for clinicians and patients alike. Only NSK's Ti-Max Z premium range offers these unique features.

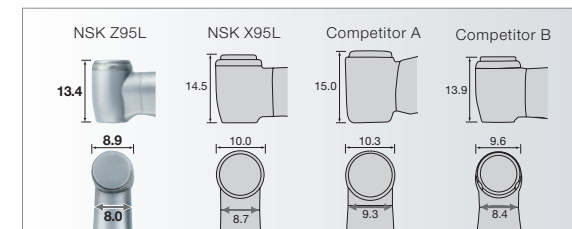
OUTSTANDING OPERABILITY

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

Anti Heat System

Our proprietary Anti Heat System dramatically reduces heat generation to prevent burning.
(With Z95L/Z85L/Z84L)

DURAGRIP

Our proprietary scratch- and abrasion-proof surface treatment increases durability and ensures a secure grip.

Microfilter

A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

Clean Head System

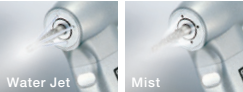
The patented NSK Clean Head System automatically keeps oral fluids and other contaminants out of the instrument head, prolonging the life of the bearing and ensuring more hygienic treatment.

Amazing Silence and Minimal Vibration

The marriage of micro-precision parts and gears has lowered noise and vibration even more.

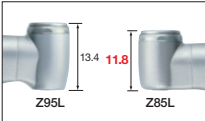
Ti-Max Z Premium

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- Clean Head System (Exclude Z24L)
- Microfilter



- Quattro Spray (with two way spray function)
- Max Speed: 200,000 min⁻¹
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System

	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z95L	C1034

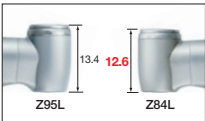


Head size comparison
Z85L offering extraordinary
visibility and accessibility.



- Single Spray
 - Miniature Head
 - Max Speed: 200,000 min⁻¹
 - For FG burs (ø1.6)
 - Ceramic Bearings
 - Anti Heat System
- *Short Shank burs only

	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z85L	C1062

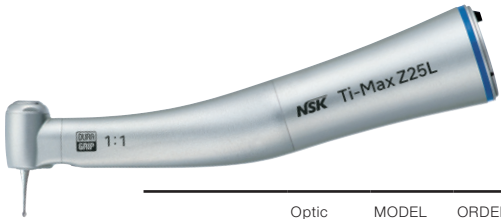


Head size comparison
Z84L offering extraordinary
visibility and accessibility.



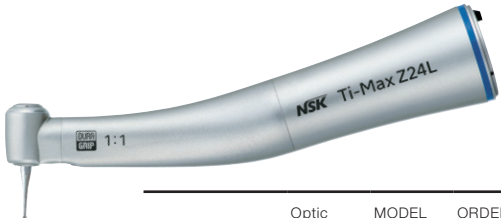
- Quattro Spray (with two way spray function)
 - Miniature Head
 - Max Speed: 180,000 min⁻¹
 - For FG burs (ø1.6)
 - Ceramic Bearings
 - Anti Heat System
- *Short Shank burs only

	Optic	MODEL	ORDER CODE
1:4.5 Increasing	●	Z84L	C1135



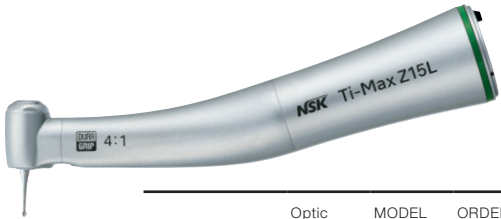
- Single Spray (with two way spray function)
- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	Z25L	C1038



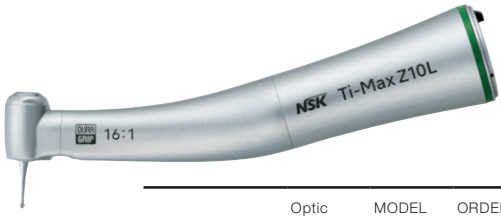
- Single Spray
- Miniature Head
- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	Z24L	C1126



- Single Spray (with two way spray function)
- Max Speed: 10,000 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
4:1 Reduction	●	Z15L	C1039



- Single Spray
- Max Speed: 2,500 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
16:1 Reduction	●	Z10L	C1040

Ti-Max Z45L

Special



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 handpiece 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.



Superior Accessibility

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



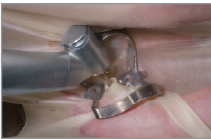
Sectioning a Mandibular Left Impacted Third Molar



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



Caries Removal from a Maxillary Left Second Premolar on Palatal Side



Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar



Water Jet



Mist

Two-Way Spray Function

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



- Titanium Body with Scratch Resistant DURAGRIP
- 45° Angle Head
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray (with two way spray function)
- Microfilter
- Anti Heat System
- For FG burs (ø1.6)
- Max Speed: 168,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:4.2 Increasing	●	Z45L	C1064

S-Max M

Advanced



TOUGHNESS

The S-Max M series contra-angles have dramatically improved durability, and feature an updated internal body design and chuck mechanism. They are NSK's next-generation standard - a marriage of ergonomic sophistication and smooth cutting feel. Experience them for yourself.

- Stainless Steel Body
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck (Exclude M65)



- Quattro Spray
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- Max Speed: 200,000 min⁻¹



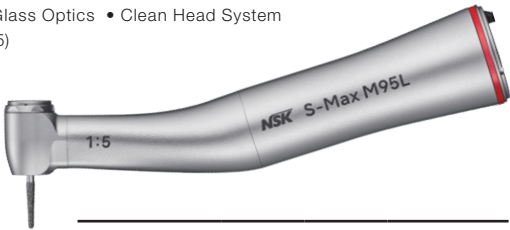
- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min⁻¹

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

Straight Handpiece

- 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



	Optic	MODEL	ORDER CODE
1:5 Increasing	●	M95L	C1023
	—	M95	C1026



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	M25L	C1024
	—	M25	C1027



	Optic	MODEL	ORDER CODE
4:1 Reduction	●	M15L	C1025
	—	M15	C1028



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	—	M65	H1008

FX series

Basic



Integrated Handpieces : Ergonomic : Functional : 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.

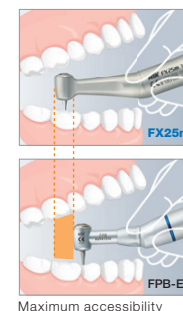
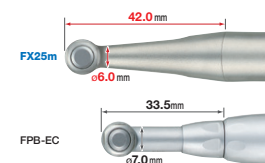
Durable Stainless Steel Body

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.



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).



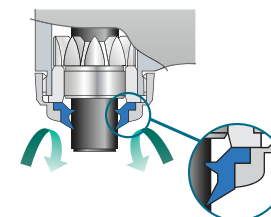
Clean Head System

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.




FX series Basic

General Applications Handpiece


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

	
MODEL	ORDER CODE
1:1 Direct Drive FX25	C1052002

- For CA burs (ø2.35)
- Push Button Chuck
- Max Speed : 30,000 min⁻¹

	
MODEL	ORDER CODE
1:1 Direct Drive FX23	C1056002

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

	
MODEL	ORDER CODE
1:1 Direct Drive FX22	C1129

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

	
MODEL	ORDER CODE
4:1 Reduction FX15	C1053002

Endodontic Handpiece


- Miniature Head
- For engine files
- 360° Rotation
- Push Button Chuck
- Max Speed : 1,250 min⁻¹

	
MODEL	ORDER CODE
16:1 Reduction FX75	C1055002

Prophylaxis Handpiece




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

	
MODEL	ORDER CODE
4:1 Reduction FX57	C1054002

Straight Handpiece

- For HP burs (ø2.35)
- Clean Head System
- Max Speed : 40,000 min⁻¹

	
MODEL	ORDER CODE
1:1 Direct Drive FX65	H1014002