Create it ▲





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Air Turbines

NSK TECHNOLOGY & FUNCTION

Push Button Chuck

Quattro Water Spray

The NSK Quattro Water Spray effectively cools the entire surface of the bur with a high cooling effect,

leaving no areas uncovered.

Push Button Chuck is NSK's original push button auto-chuck mechanism that tightens the bur grip during rotation. It allows one-touch bur insertion and removal without tools. The bur lock mechanism is designed so that bur retention strength increases when high loads are applied to the bur.

- 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.

and an area

The unique non-slip, non-scratch surface treatment improves durability and ensures a comfortable grip.

All NSK handpieces offer superior durability

and continued performance, even when frequently autoclaved. All handpieces may

DURACOAT

DURA

DURAGRIP

Autoclavable | 135°c

be autoclavable up to 135°C.

Smooth scratch-resistant surface coating, comfortable to hold.

Microfilter

Thermo-disinfector Ready | | 本 |

handpiece using a thermo-disinfector.

Disinfecting handpieces prior to autoclaving is a recommendable practice for more effective

infection control. The symbol mark on your NSK

product means you can cleanse and disinfect the

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

Cellular Glass Optic

Cellular Glass Optic delivers brilliant illumination, is highly durable and will not deteriorate due to repeated sterilization.

Clean Head System

The Clean Head System has an anti-suck back mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the ball bearings and mechanical parts last longer.

MSK Max Z99QL W

Anti-Retraction Valve

Prevents retraction of contaminated water from entering the water lines.





Ti-Max Z

Air Turbine



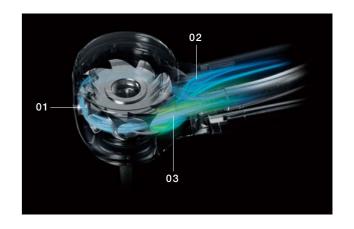
Unprecedented Power

Experience like never before, the unprecedented cutting power of the industry's best-in-class 44W turbine as it delivers unprecedented cutting strength.

Makes zirconia removal easy, reducing chairside time and minimising patient discomfort.

DYNAMIC POWER SYSTEM

Equipped with a new system, the "DYNAMIC POWER SYSTEM" that provides a revolutionary cutting feel. The enlarged exhaust port, optimized nozzle structure, and enlarged rotor chamber achieve the highest rotational power in its category.



01. Expanded Rotor Blade Surface

The air exposure area is twice that of conventional models. The large chamber surface takes in air with no waste to achieve high torque.

02. Expanded Exhaust Groove

The enlarged exhaust groove quickly discharges air received by the chamber. A smooth exhaust improves torque in the low rpm range.

03. Extended Cylindrical Nozzle

The optimized nozzle structure reduces air. Air power is converted into highly efficient rotational power.

Lightweight titanium body and 100° angle head

The internal structure has been revised and the weight has been reduced by 16% compared to the previous model (the lightest metal exterior in major competitive comparisons). Considering the physiological curves of the oral cavity (Curve of Spee and Curve of Wilson), the 100° angled head enables easier access and high-torque cutting for efficient treatment in the oral cavity.

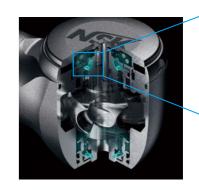




Quick Stop

The Quick-stop function, which stops high-speed rotation in approximately 1 second, is mounted on the front and back of the head. The two Quick-stop functions allow for a abrupt stop to prevent inertial rotation and to reduce the risk of intraoral entrapment and suck back, thus ensuring an extremely safe treatment.

*The two Quick-stop functions only Z990L / Z890L.





When the air supply is stopped, the rubber of the stopper makes contact with the rotating shaft to apply a braking effect. With stoppers attached to the front and rear of the head, contact is increased, making it possible to abruptly stop the rotation.

Ti-Max Z



DYNAMIC POWER SYSTEM* Head at a 100° angle Quick Stop Titanium Body DURAGRIP Cellular Glass Optics Ceramic Bearings Push Button Chuck Quattro Spray Simple Cartridge Change Clean Head System Microfilter* *Only Z990L / Z890L



Micro Head

- Power: 20 W
- Speed : 380,000-450,000 min-• Head Size : ø9.0 × H 10.8 mm



Miniature Head • Power: 41W

- Speed : 320,000-400,000 min
- Head Size : Ø10.6 x H 10.8 mm

Standard Head • Power: 44 W

- - Speed : 280,000-360,000 min-
 - Head Size : Ø12.1 x H 12.7 mm

NSK Couplings

Head	Optic	MODEL	ORDER CODE
Micro	•	Z micro	PA2357
Miniature	•	Z890L	PA23720001
Standard	•	Z990L	PA23730001

KaVo® Couplings

Head	Optic	MODEL	ORDER CODE
Micro	•	Z micro KL	PA 2358
Miniature	•	Z890KL	PA23740001
Standard	•	Z990KL	PA23750001

Dentsply Sirona® Couplings

		,-	
Head	Optic	MODEL	ORDER CODE
Micro	•	Z micro SL	PA2359
Miniature	•	Z890SL	PA23760001
Standard	•	Z990SL	PA23770001

W&H® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	•	Z890WL*	PA23860001
Standard	•	Z990WL*	PA23870001

*Compatible Turbines with Integral LED

Bien Air® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	•	Z890BL*	PA23840001
Standard	•	Z990BL*	PA23850001

*Compatible Turbines with Integral LED

S-Max M



Stainless Steel Body Ceramic Bearings Push Button Chuck Quattro Spray Clean Head System Cellular Glass Optics 3X-Power System Simple Cartridge Change



- Power : 23 W Speed : 380,000-450,000 min⁻¹ • Head Size : Ø10.6 x H 12.4 mm



Standard Head

- Power : 26 W Speed : 325,000-430,000 min⁻¹ • Head Size : Ø12.1 x H 13.3 mm

NSK Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	•	M800L	P1253
Miniature	_	M800	P1255
Standard	•	M900L	P1254
Standard	_	M900	P1256

KaVo® Counlings

Kuto Coupings			
Head	Optic	MODEL	ORDER CODE
Miniature	•	M800KL	P1257
Standard	•	M900KL	P1258
Standard	_	М900К	P1259

Dentsply Sirona® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	•	M800SL	P1261
Standard	•	M900SL	P1262

W&H® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	•	M800WL*	P1265
Standard	•	M900WL*	P1266
Standard	_	M900W	P1287

*Compatible Turbines with Integral LED

Bien Air® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	•	M800BL*	P1263
Standard	•	M900BL*	P1264

*Compatible Turbines with Integral LED

S-Max pico



Stainless Steel Body Ceramic Bearings Push Button Chuck Single Spray Clean Head System Cellular Glass Optics



- Speed: 380,000-450,000 min-1
- Head Size: Ø8.6 x H 9.0 mm
 For short shank burs / ultra short shank burs

MODEL

PC6ff

NCV	C	alinaa
NOV	Cou	plings

Optic	MODEL	ORDER CODE
KaVo® C	ouplings	
•	S-Max pico	P1140
Optic	MODEL	ORDER CODE

Dentsply Sirona® Couplings		
Optic	MODEL	ORDER CODE
•	S-Max pico SL	P1143

pico bur	
MODEL	

MODEL	ORDER CODE	
PC1 • Pack of 3	Y1001817	00.9
PC2 Pack of 3	Y1001818	00.6
PC3 • Pack of 3	Y1001819	9.0
PC3ff • Extra fine bur • Pack of 3	Y1002019	9.0
PC4 • Pack of 3	Y1001820	01.3

W&H® Couplings

	oupgo	
Optic	MODEL	ORDER CODE
•	S-Max pico WLED*	P1145
Bien Air®	*Compa Couplings	tible Turbines with Integral LED
Optic	MODEL	ORDER CODE
•	S-Max pico BLED*	P1144

*Compatible Turbines with Integral LED

PC4ff Y1002020 • Extra fine bur • Pack of 3 PC5 Y1001821 • Pack of 3 PC5ff Y1002021 Extra fine burPack of 3 Y1001822 PC6

ORDER CODE

Y1002022

Ti-Max X450



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



- Speed : 380,000-450,000 min⁻¹

- Head Size: Ø11.2 x H 13.5 mm
 45° Angle Head
 For FG extra-long burs (25 mm) only

NSK Couplings

Optic	MODEL	ORDER CODE
•	X450L	P1078

KaVo® Couplings		
Optic	MODEL	ORDER CODE
•	X450KL	P1079

Optic	MODEL	ORDER CODE
•	X450SL	P1080

W&H®	Com	nline	
/v & n ~	Cou	piing	ŀ

•	X450WLED*	P1082
Optic	MODEL	ORDER CODE

*Compatible Turbines with Integral LED

Bien Air® Couplings

•	X450BLED*	P1081	_
Optic	MODEL	ORDER CODE	

*Compatible Turbines with Integral LED

Pana-Max PLUS



Stainless Steel Body Ceramic Bearings Push Button Chuck Quattro Spray Clean Head System Anti-Retraction Valve Air Pressure Regulating Valve



Miniature Head

- Speed : 380,000-450,000 min⁻¹ Head Size : ø10.6 x H 12.4 mm



Standard Head

- Speed : 340,000-410,000 min⁻¹ Head Size : ø12.1 x H 13.3 mm

Midwest 4 hole (Direct-connect / Screw-on Type)



			71 -7
Head	Optic	MODEL	ORDER CODE
Miniature	_	PAP-MU M4	P1021
Standard	_	PAP-SUM4	P1022

Borden 2 hole (Direct-connect / Screw-on Type)



			71 7 6
Head	Optic	MODEL	ORDER CODE
Miniature	_	PAP-MUB2	P1023
Standard	_	PAP-SUB2	P1024

Pana-Max2



Stainless Steel Body Ceramic Bearings NSK Ultra Push Chuck Single Spray Clean Head System Simple Carteidge Change Anti-Retraction Valve (M4/B2) Air Pressure Regulating Valve (M4/B2)



- Speed : 350,000-450,000 min⁻¹ Head Size : Ø11.2 x H 13.4 mm



NSK Couplings

Optic	MODEL	ORDER CODE
_	Pana-Max 2 PTL	P1211

ка	vo®	Cou	piii	ngs

_	Pana-Max 2 KV	P1212	
Optic	MODEL	ORDER CODE	
Kavo* Couplings			

Midwest 4 hole (Direct-connect / Screw-on Type)



_	Pana-Max 2 M4	P1154	
Optic	MODEL	ORDER CODE	

Borden 2 hole (Direct-connect / Screw-on Type)



NSK Couplings



•	PTL-CL-LED	P1001600
Optic	MODEL	ORDER CODE

 $\bullet \, \text{Stainless Steel Body} \, \bullet \, \text{Titanium coating} \, \bullet \, \text{Anti-Retraction Valve} \\ \bullet \, \text{For NSK} \, \bullet \, \text{LED incorporated in coupling}$





•	KCL-LED	P1005600
Optic	MODEL	ORDER CODE

- Stainless Steel Body Titanium coating Anti-Retraction Valve
 For KaVo® MULTIflex® LUX with water volume adjuster
 LED incorporated in coupling





_	FM-CL-M4	P434051
Optic	MODEL	ORDER CODE

• Stainless Steel Body • Anti-Retraction Valve





•	PTL-CL-LED III	P1001601
Optic	MODEL	ORDER CODE

- Stainless Steel Body Titanium coating Anti-Retraction Valve For NSK with water volume adjuster LED incorporated in coupling





Optic	MODEL	ORDER CODE
•	SCL-LED	P1009600

- Stainless Steel Body Titanium coating Anti-Retraction Valve
 For Sirona® Quick Coupling with water volume adjuster
 LED incorporated in coupling





_	FM-CL-B2/B3	P432051
Optic	MODEL	ORDER CODE

[•] Stainless Steel Body • Anti-Retraction Valve

Fitting Chart By Series

	NSK (Optic)	NSK (Non-Optic)	KaVo® (Optic)	KaVo® (Non-Optic)	Dentsply Sirona®	W&H® (Optic)	W&H® (Non-Optic)	Bien Air®
Ti-Max Z	0	_	0	_	0	0	_	0
S-Max M	0	0	0	(M900K)	0	0	(M900W)	0
S-Max pico	0	_	0	_	0	0	_	0
Ti-Max X450	0	_	0	_	0	0	_	0
Pana-Max2	_	0	_	0	_	_	_	_
Coupling Type	NSK Co (PTL	bupling type)	Mult	Vo® iflex®	Sirona® Quick Coupling	Ψ ws	kH® Quick®	Bien Air® UNIFIX®

13 14

Contra-angles

Push Button Chuck

rotation. It allows one-touch bur

insertion and removal without tools.

NSK's original push button auto-chuck

mechanism tightens the bur grip during

The bur lock mechanism is designed so

that bur retention strength increases

when high loads are applied to the bur.

Quattro Water Spray

The NSK Quattro Water Spray

effectively cools the entire surface of the bur with a high cooling effect, leaving no areas uncovered.

NSK TECHNOLOGY & FUNCTION

Anti Heat System

Our Anti Heat System dramatically reduces heat generation to prevent

Ceramic Bearings

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

Ceramic Bearings are 25% harder than durability is significantly increased.

Cellular Glass Optic delivers brilliant not deteriorate due to repeated

Clean Head System

The Clean Head System has an anti-suck back ball bearings and mechanical parts last longer.

Autoclavable 135°c



All NSK handpieces offer superior durability and continued performance, even when frequently autoclaved. All handpieces may be autoclavable up to 135°C.

Thermo-disinfector Ready | | | | | |



Disinfecting handpieces prior to autoclaving is a recommendable practice for more effective infection control. The symbol mark on your NSK product means you can cleanse and disinfect the handpiece using a thermo-disinfector.

DURAGRIP

The unique non-slip, non-scratch surface treatment improves durability and ensures a comfortable grip.

DURACOAT

Smooth scratch-resistant surface coating, comfortable

Microfilter

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

Cellular Glass Optic

illumination, is highly durable and will sterilization.

mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the

Amazing Silence and Minimal Vibration

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

Anti-Retraction Valve

Prevents retraction of contaminated water from entering the water lines.





NSK Ti-Max Z95L

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.

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.

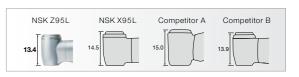
 ${}^{\star}\text{Compare with our previous model and products offered by other manufacturers}.$

The Slimmest Neck

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

Easier Access

The slimmer handpiece body and neck enhances access to molars without touching anterior teeth.





Two-Way Spray Function(Z95L, Z45L)

The world's first Two-Way Spray Function function allows you to instantly choose between a mist or jet spray. Chose in an instant depending on the conditions and procedure. The water jet spray prevents subcutaneous emphysema in surgical procedures whilst still cooling during restorative procedures. When spray mist can be used again without restriction just switch again. No equipment modification required.



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







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Ti-Max Z





1:5 Increasing	•	Z95L	C1034
Gear Ratio	Optic	MODEL	ORDER CODE

- Max Speed: 200,000 min-1 For FG burs (ø1.6) Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP Ceramic Bearings • Quattro Spray (with Two-Way Spray Function) • Microfilter
- Anti Heat System Clean Head System Cellular Glass Optics





Geal Ratio Optic MODEL ORDER CO
Gear Ratio Optic MODEL ORDER CO

- Max Speed : 40,000 min⁻¹ For CA burs (ø2.35) Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP

Two-Way Spray Function





The world's first Two-Way Spray Function allows you to instantly choose between a mist or jet spray. When using the water jet only it reduces aerosols as the spray air is switched off. Just flick the switch at the bottom of the handpiece to revert to a water/air mist. No equipment modification required.

Easy On/Off Switch



Switch between water jet (water only) and water spray (water and air mist) in an instant.





l	1:1 Direct Drive	•	Z24L	C1126
	Gear Ratio	Optic	MODEL	ORDER CODE

- Miniature Head Max Speed: 40,000 min⁻¹ For CA burs (ø2.35)
- Titanium Body with Scratch Resistant DURAGRIP
- $\bullet \, \mathsf{Push} \, \mathsf{Button} \, \mathsf{Chuck} \, \, \bullet \, \mathsf{Single} \, \mathsf{Spray} \, \, \bullet \, \mathsf{Microfilter} \, \, \bullet \, \mathsf{Cellular} \, \mathsf{Glass} \, \mathsf{Optics}$





Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	•	Z85L	C1062

- Miniature Head Max Speed : 200,000 min-1 For FG burs (ø1.6)*
- Titanium Body with Scratch Resistant DURAGRIP Push Button Chuck • Single Spray • Ceramic Bearings • Microfilter • Anti Heat System
- Clean Head System Cellular Glass Optics *For short shank burs only





Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	•	Z15L	C1039

- Max Speed: 10,000 min⁻¹ For CA burs (ø2.35) Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP
- Single Spray (with Two-Way Spray Function) Microfilter Clean Head System Cellular Glass Optics





Gear Ratio	Optic	MODEL	ORDER CODE
1:4.5 Increasing	•	Z84L	C1135

- Miniature Head Max Speed : 180,000 min⁻¹ For FG burs (Ø1.6)* $\bullet \, \text{Titanium Body with Scratch Resistant DURAGRIP} \ \, \bullet \, \text{Push Button Chuck}$
- Quattro Spray (with Two-Way Spray Function)
 Ceramic Bearings
- Microfilter Anti Heat System Clean Head System
- Cellular Glass Optics *For short shank burs only





16:1 Reduction	•	Z10L	C1040
Gear Ratio	Optic	MODEL	ORDER CODE

- Max Speed: 2,500 min-1 For CA burs (ø2.35) Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP
 Single Spray Microfilter Clean Head System Cellular Glass Optics

Ti-Max Z45L

1:4.2 Increasing	•	745L	C1064
Gear Ratio	Optic	MODEL	ORDER CODE

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

Ti-Max nano





1:5 Increasing	•	nano95LS	C1099
Gear Ratio	Optic	MODEL	ORDERCODE

- Max Speed: 200.000 min-1 For FG burs (ø1.6) Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP Ceramic Bearings
- Quattro Spray Microfilter Anti Heat System Clean Head System

Superior Accessibility



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

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.





1:1 Direct Drive	•	nano25LS	C1100
Gear Ratio	Optic	MODEL	ORDERCODE

- Max Speed : 40,000 min⁻¹ For CA burs (ø2.35) Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP
- Single Spray Microfilter Clean Head System Cellular Glass Optics

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 a 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



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.





4:1 Reduction		nano15LS	C1101
Gear Ratio	Optic	MODEL	ORDERCODE

- Max Speed: 10,000 min-1 For CA burs (ø2.35) Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIF
- Single Spray Microfilter Clean Head System Cellular Glass Optics

NSK Ti-Max nano65LS

Straight Handpiece

1:1 Direct Drive	•	nano65LS	H1048
Gear Ratio	Optic	MODEL	ORDER CODE

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

Ti-Max X





Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	•	X95L	C600
1:5 Increasing	_	X95	C610

- Max Speed : 200,000 min $^{-1}$ For FG burs (ø1.6)
- Titanium Body with Scratch Resistant DURAGRIP





Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	•	X25L	C601
1:1 Direct Drive	_	X25	C611

- Max Speed: 40,000 min-1 For CA burs (ø2.35)
- Titanium Body with Scratch Resistant DURAGRIP
- $\bullet \operatorname{Push} \operatorname{Button} \operatorname{\mathsf{Chuck}} \ \bullet \operatorname{\mathsf{Single}} \operatorname{\mathsf{Spray}} \ \bullet \operatorname{\mathsf{Microfilter}} \ \bullet \operatorname{\mathsf{Clean}} \operatorname{\mathsf{Head}} \operatorname{\mathsf{System}}$
- Cellular Glass Optics





Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	•	X15L	C602
4:1 Reduction	_	X15	C612

- Max Speed : 10,000 min⁻¹ For CA burs (ø2.35)
- Titanium Body with Scratch Resistant DURAGRIP
 Push Button Chuck Single Spray Microfilter Clean Head System





External water coolant

1:5 Increas	sina —	X95EX	C1072
Gear Ratio	Optic	MODEL	ORDER CODE

- Max Speed : 200,000 min⁻¹ For FG burs (ø1.6)
- Titanium Body with Scratch Resistant DURAGRIP
 Push Button Chuck Ceramic Bearings Quattro Spray



Gear Ratio	Optic	MODEL	ORDER CODE
10:1 Reduction	•	X35L	C620
10:1 Reduction	_	X35	C624

- \bullet Max Speed : 4,000 min $^{\text{-}1}$ $\,\bullet$ For Hand File & Engine File $\,\bullet$ 60° Twist Titanium Body with Scratch Resistant DURAGRIP
- Push Button Chuck Single Spray Microfilter Cellular Glass Optics





Gear Ratio	Optic	MODEL	ORDER CODE
16:1 Reduction	•	X57L	C609
16:1 Reduction	_	X57	C619

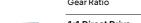
- Max Speed : 2,500 min $^{\text{--}1}$ For Screw-in Cups and Brushes
- 360° Rotation Special Dust Proof
- Titanium Body with Scratch Resistant DURAGRIP
- w/o Spray Cellular Glass Optics



Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	•	X55L	C608
4:1 Reduction	_	X55	C618

- Max Speed : 10,000 min $^{\text{-1}}$ For Profin Tip / EVA Tip / Orthodontics File (Shank ø2.36-2.40 mm)* • Vertical Reciprocating (Stroke Length 1.4 mm)
 • Titanium Body with Scratch Resistant DURAGRIP • Single Spray
 • Microfilter • Cellular Glass Optics • Lamineer Tips not included

- With Tip Lock Mechanism *Metalic shank cannot be used.



Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	•	X65L	H273
1:1 Direct Drive	_	X65	H274

- Max Speed: 40,000 min⁻¹ For HP burs (ø2.35) For CA burs (ø2.35)*
 Titanium Body with Scratch Resistant DURAGRIP
- Single Spray Clean Head System Cellular Glass Optics

Straight Handpiece

S-Max M



Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	•	M95L	C1023
1:5 Increasing	_	M95	C1026

- Max Speed : 200,000 min⁻¹ For FG burs (ø1.6) Stainless Steel Body
- Push Button Chuck Ceramic Bearings Quattro Spray





Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	•	M25L	C1024
1:1 Direct Drive	_	M25	C1027

- Max Speed : 40,000 min⁻¹ For CA burs (@2.35) Stainless Steel Body
- Cellular Glass Optics





Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	•	M15L	C1025
4:1 Reduction	_	M15	C1028

- Max Speed: 10,000 min⁻¹ For CA burs (a2.35) Stainless Steel Body
 Push Button Chuck Single Spray Clean Head System



Straight Handpiece

1:1 Direct Drive	_	M65	H1008
Gear Ratio	Optic	MODEL	ORDER CODE

- Max Speed : 40,000 min⁻¹ For HP burs (ø2.35) For CA burs (ø2.35)*
- Stainless Steel Body Single Spray Clean Head System
- *Need to insert the supplied bur stopper

FX series



Gear Ratio MODEL ORDER CODE	1:1 Direct Drive	FX25m	C1052001
	Gear Ratio	MODEL	ORDER CODE

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



Gear Ratio	MODEL	ORDER CODE
1:1 Direct Drive	FX22	C1129

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



Gear Ratio MODEL ORDER CODE	4:1 Reduction	FX15m	C1053001
	Gear Ratio	MODEL	ORDER CODE

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



Gear Ratio	MODEL	ORDER CODE
16:1 Reduction	FX75m	C1055001

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

NSK FX57m 4:1

4:1 Reduction	FX57m	C1054001
Gear Ratio	MODEL	ORDER CODE

- Max Speed: 5,000 min⁻¹ For screw-in cups and brushes
 Stainless Steel Body 360° Rotation Paste Defense System
- External Water Spray



Straight Handpiece

1:1 Direct Drive	FX65m	H1014001
Gear Ratio	MODEL	ORDER CODE

- Max Speed : $40,000 \, \text{min}^3 \,$ For HP burs ($\emptyset 2.35$), disposable prophy angle Stainless Steel Body Clean Head System
- External Water Spray

(Exclude FX22)

EX series

Heads for General Application (External Water Spray)

MODEL	ORDER CODE
FPB-Y	C875

- \bullet Max Speed : 40,000 min $^{\text{-1}}$ $\,\bullet$ For CA burs (ø2.35)
- Ball Bearing

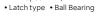








• Max Speed: 40,000 min-1 • For CA burs (ø2.35)





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





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

• Miniature Head • Latch type







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

Heads for Prophylaxis Application

MODEL	ORDER CODE
AR-Y (S)	C187

- Max Speed : 5,000 min-1 • For screw-in cups and brushes
- MODEL ORDER CODE C188 AR-Y(K)





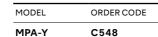


• Max Speed: 10,000 min-1 • For Eva tips Vertical Reciprocating (Stroke Length 1.4 mm)

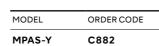
Heads for Endodontic Application

	ORDER CODE
MP-Y	C547





- · Connection for Apex locator (For long shank) Push Button Chuck



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



- Max Speed : 4,000 min⁻¹ 80° Twist • For engine files (ø2.35) • Push Button Chuck
- MODEL ORDER CODE TEP-Y C837001
- Max Speed : 4,000 min⁻¹ 60° Twist
- For hand files Push Button Chuck

Shanks

MODEL	ORDER CODE
EC-30	C100008
EC-30M	C100007



MODEL	ORDER CODE
ER4	C634
ER4M	C634002

• 4:1 Reduction



• 10:1 Reduction

MODEL	ORDER CODE
ER16	C636

• 16:1 Reduction

ODEL	ORDER CODE	_
C-30	C100008	
C-30M	C100007	most through Obbit

EL	ORDER CODE		
	C634	ASST	CE
М	C634002	MCE IS ARM	047



Straight Handpieces



1:1 Direct Drive	EX-6B	H260001
Gear Ratio	MODEL	ORDER CODE

Max Speed: 40.000 min⁻¹ • For HP burs (ø2.35) • Clean Head System



Gear Ratio	MODEL	ORDER CODE
4:1 Reduction	EX-5B	H262

• Max Speed : 10,000 min⁻¹ • For HP burs (ø2.35), disposable prophy angle Clean Head System

Spray Nozzle	H019711
MODEL	ORDER COD

• For EX-6B, EX-5B (Optional)

ISOE-LUX Light Probe





Optic	MODEL	ORDER CODE

- E-Type Optic Motor Connection Stainless Steel Body • Glass Fiber Optics

■ Shanks and heads are sold separately. You can combine shanks and heads according to your preference and speed required for the indication.

Electric Micromotors

NLX nano

Electric Micromotor Portable System

Speed: 2,000 - 40,000 min⁻¹, Torque: 3.4 Ncm

Internal Water Spray

Optic	MODEL SOCIAL (220 V)	ORDER CODE
•	NLX nano S230 (230 V)	Y1001362

Contents
• Control unit • Motor • Cord • AC Adaptor

Specifications

[Control Unit] • Rated Input : AC 28 V 50/60 Hz • Dimensions : W127 x D 149 x H 54 mm • Weight : 517 g





Electric Micromotor Integrated System

Speed: 1,000 – 40,000 min⁻¹, Torque: 3.4 Ncm



NLX plus

Electric Micromotor Integrated System

Speed: 1,000 – 40,000 min⁻¹, Torque: 4.0 Ncm, with Endo Function

Features

- Torque control & Auto reverse feature 3 working modes: Auto-reverse on, Auto-stop or Auto-reverse off
- Autoclavable titanium body
- LED illumination
- Installable built-in type conforms to most dental equipments by employing original NLX BF power module



Air Motors

Ti-Max X205L

Internal Water Spray

• Anti-Retraction Valve

Optic	MODEL	ORDER CODE
•	X205L	M1013





S-Max M205

Internal Water Spray

Optic	MODEL	ORDER CODE
_	M205	M1007
Max Speed	d: 22,000 min ⁻¹ ±10% •	Midwest 4 hole





FX205m

• Stainless Steel Body • Anti-Retraction Valve

External Water Spray

Optic	MODEL	ORDER CODE
_	FX 205 m M 4	M1005001
_	FX205mB2	M1006001





• Midwest 4 hole / Borden 2 hole • Stainless Steel Body



Ultrasonic Scaler

Varios 970

Optic	MODEL	ORDER CODE
•	VA970 LUX 230V S1	Y1004161
_	VA970230VS1	Y1004160

Contents • Control unit

- Handpiece Handpiece cord
- 3 Scaling tips (G4, G8, G16)
- Foot control (FC-70)
- 2 x Irrigation bottles3 x Tip wrench with torque limiter
- AC power cord
- Sterilization case

-9680

-621



Restorative NSK Satelec® Minimal Intervention

G61D	ORDER CODE Z217601







• Diamond coated

MODEL ORDERCODE G66D Z217606

MODEL ORDER CODE G67D Z217607

• Diamond coated

MODEL	ORDER CODE	
G68D	Z217608	

• Diamond coated

Condensing NSK Satelec®

MODEL	ORDERCODE
G21	Z217010

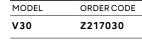
• Water not required • For anterior teeth • 3 caps supplied

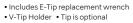
MODEL ORDER CODE G28 Z217208

Water not required
 For amalgam condensation











Restorative (V-TIP)

Minimal Intervention

MODEL	ORDER CODE
V-G70	Y900118
· Diamond coated	• Pack of 3

V-G71	Y900119
 Diamond coated 	• Pack of 3







Finishing / Trimming / Polishing

MODEL	ORDER CODE
V-G77 • Diamond coated • Pack of 3	Y900165 • Normal Grade
V_G78	V000166

Charlest 1

• Diamond coated • Fine Grade • Pack of 3 V-G79 Y900167

• Diamond coated • Super Fine Grade • Pack of 3

Caries Removal

MODEL	ORDER CODE
V-S1	Y900161
• Stainless Tip • Pac	ck of 3

V-S3 Y900162 • Stainless Tip • Pack of 3

V-S33 Y900163 • Stainless Tip • Pack of 3

Air Scaler

Ti-Max S970

NSK Couplings

Optic	MODEL	ORDER CODE
•	S970L	T1005
_	S970	T1020

KaVo® Couplings

	•	S970KL	T1013	
	_	\$970KI	T1013	
ODE	Optic	MODEL	ORDER CODE	

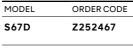


- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics 3 level Power Ring
- Includes 3 tips (S1, S2 & S3), Tip Wrench (CR-20) and Tip Cover (L)

Restorative **Minimal Intervention**

S66D	Z252466	
MODEL	ORDER CODE	-
Diamond coated		-
S65D	Z252465	/
MODEL	ORDER CODE	
		_

• Diamond coated



• Diamond coated

Diamond coated

MODEL	ORDER CODE
S68D	Z252468



Restorative **Preparation of Crown Cores**

MODEL	ORDERCODE
\$81D	Z252469
Diamond coated	





MODEL	ORDER CODE
\$83D	Z252461

Diamond coated

MODEL	ORDER CODE
\$86D	Z252460

· Diamond coated

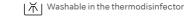
MODEL	ORDER CODE
\$71D	Z252471

• Diamond coated

MODEL	ORDER CODE
\$72D	Z252472



Diamond coated



Spare Parts

Ti-Max Z

MODEL	PRODUCTS	ORDER CODE
TiZ9-SU03 Cartridge for Standard head	*	PA2381X001
TiZ9-MU03 Cartridge for Miniature head	*	PA2380X001
SX3-NU03 Cartridge for Z micro		PA2307X001
S970 O-ring Set Z990L, Z890L	00000	Y1001953

TiZ9-SU04 Head cap for Standard head	(EX)	PA2381X050
TiZ9-MU04 Head cap for Miniature head	NEX P	PA2380X050
SX-NU04 Head cap for Z micro		PA2307X050
PTL O-ring Set (Pack of 5)	000000	Y900580

PRODUCTS ORDER CODE

MODEL	PRODUCTS	ORDERCODE
TiZ9-SU05 Head cap wrench for Miniature head & Standard head	000	PA2381X765
SX-NU05 Head cap wrench for Z micro	and these	PA2307X765
Cleaning Wire		Z144101

S-Max M

MODEL	PRODUCTS	ORDER CODE
SX-MU03 Cartridge for Miniature head		P1280
SX-SU03		P1281



MODEL





MODEL

SX-SU05

Head cap wrench for Miniature head & Standard head



S-Max pico

MODEL	PRODUCTS	ORDERCODE
SX-PU03 Cartridge for S-Max pico	*	P1140200
PTL O-ring Set (Pack of 5)	000000	Y900580

MODEL	PRODUCTS	ORDERCODE
SX-PU04 Head cap for S-Max pico		P1140500

MODEL	PRODUCTS	ORDER CODE
SX-PU05 Head cap wrench for S-Max pico		20002803

Ti-Max X450

TiX45-SU03 Cartridge for Standard head	#	Y1001906
PTL O-ring Set (Pack of 5)	00000	Y900580

PRODUCTS

MODEL	PRODUCTS	ORDERCODE
TiX45-SU04 Head cap for Standard head		P1078500

PRODUCTS	ORDERCODE
	P624765
	PRODUCTS

PRODUCTS

ORDER CODE

20000535

Pana-Max PLUS

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
SX-MU03 Cartridge for Miniature head		P1280	SX-MU04 Head cap for Miniature head		P1001500
SX-SU03 Cartridge for Standard head	62	P1281	SX-SU04 Head cap for Standard head		P1027500

Pana-Max2

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
PAX2-SU03 Cartridge		P1190	PAX2-SU04 Head cap		P1190050	PAX2-SU05		P1190765

Couplings

5 5 5 5								
MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
Anti-Retraction Valve	-	P401054	PTL Bulb for PTL (Pack of 3)	un.	Y900529	O-ring Set for SCL-LED	0000	S900060
TA Bulb for KCL-6 (Pack of 3)	111	Y900132	O-ring Set for KCL-6/LED	00000	Y900211			

FX Series

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
FX25-04 Head cap for FX25m		C1052500	FX Spray nozzle For FX25m/FX15m	1	C1052702	FX Wrench For FX25m		C1052701
FX25-03 Cartridge for FX25m	0	C1052700	Spray Nozzle For FX65m		H019711	Tube	9	Z166101

EX Series

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
FPB-03 Cartridge for FPB	•	C875060	FFB-03 Cartridge for FFB	•	C884060	NAC-02 Middle Gear		C032012
NAC-03 Cartridge for NAC	9	C030011	Spray Nozzle For NAC, BB, FPB, FFB, TEP	<u> </u>	C032701	Cap Wrench For AR-Y(S)		C185751
BB-03 Cartridge for BB		C037015	Spray Nozzle For EX-5B, EX-6B		H019711	Cap Wrench (Black)		C071751
NBB-03 Cartridge for NBBW	<u> </u>	C210015	FPB-02 Middle Gear	 (- 	C875012	Tube	9	Z166101

Ti-Max X95EX

MODEL	PRODUCTS	ORDER CODE
Tube		Z166101

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