



LASTING
PRECISION™



Evolve Series Handpieces

Product Brochure

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LASTING PRECISION™

AG Neovo Dental handpieces are designed to deliver precise performance for longer periods of time. Unlike conventional dental handpieces, AG Neovo Dental handpieces are built to be extremely durable and to perform reliably during every dental procedure. Thanks to proprietary technology and innovative features, AG Neovo Dental is bringing a new level of lasting performance and precision to dental handpieces.

Engineered to Perform and Last

AG Neovo Dental commits to making products that provide reliability and durability, ensuring long-lasting precision over time.

Best-in-Class Innovation

With the Enduro™ Chuck at their core, Evolve Series high speeds deliver industry-leading technology and uncompromising concentricity.



Enduro™ Chuck

Brings cutting efficiency to a new level



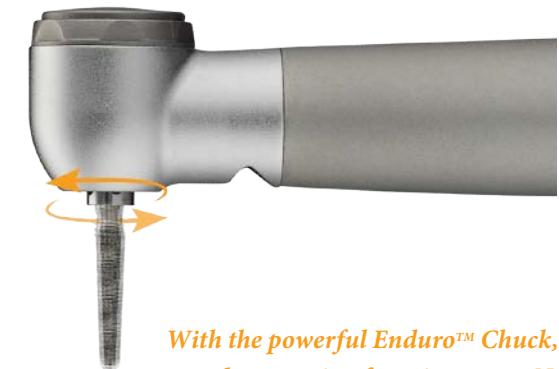
Designed specifically to counter the commonly experienced decreases in performance and reliability in dental handpieces, the Enduro™ Chuck is a

specially constructed chuck that incorporates advanced materials and a proprietary design to bring lasting durability and uncompromising concentricity to handpieces.



Matchless Durability

With a hardness close to a diamond, tungsten carbide is fused in the tip of the Enduro™ Chuck, protecting this vital area from wearing out quickly, thus resulting in consistently perfect turbine-bur alignment.



With the powerful Enduro™ Chuck, the retention force is up to 38N, which ensures the precise turbine-bur alignment and results in greater cutting efficiency.

Uncompromising Concentricity

With a proprietary aperture push-button designed to withstand up to 36,000 cycles of bur attach-and-release, the Enduro™ Chuck further ensures persistent concentricity that delivers the long-lasting precision as sharp as its very first use.

Benefits at a Glance

Push Button Chuck

One-touch for easy bur insertion and removal

Ceramic Ball Bearings

Increased durability and reliability are guaranteed by ceramic ball bearings

Quattro Water Spray

4-nozzle water spray ensures efficient cooling and brings comfort to the entire operation

Optic Fiber

Preparation areas are optimally illuminated with superior visibility



Quiet & Comfortable Operation

Noise is reduced to the minimized level thanks to the special Enduro™ Chuck design

Light-weighted Design

Ergonomic yet light weight body provides ease and comfort throughout each operation

Small Head Dimensions

Small head-size design allows for flexible motion and optimal accessibility



- > Hygiene head system with Anti-suction back function
- > Highly durable and repeatedly autoclavable at up to 135°C

High Speeds

Precise • Efficient • Long Lasting



Evolve 6510

E-6510K/E-6510N

- Max. speed: 380,000 rpm
- Standard-head Ø13.5 mm
- Quattro spray (4-hold spray)
- Integrated optical fiber
- Enduro™ Chuck



Evolve 6110

E-6110K/E-6110N

- Max. speed: 380,000 rpm
- Mini-head Ø13.0 mm
- Single spray (1-hold spray)
- Integrated optical fiber
- Enduro™ Chuck



Evolve 6500

E-6500K/E-6500N

- Max. speed: 380,000 rpm
- Standard-head Ø13.5 mm
- Quattro spray (4-hold spray)
- Without optical fiber
- Enduro™ Chuck



Evolve 6100

E-6100K/E-6100N

- Max. speed : 400,000 rpm
- Mini-head Ø13.0 mm
- Single spray (1-hold spray)
- Without optical fiber
- Enduro™ Chuck

*AG Neovo Dental handpieces
deliver industry-leading cutting efficiency
and long-lasting precision.*



Low Speeds

Durable • Reliable • Satisfactory

Straight



Evolve 2000

- Max. Speed: 40,000 rpm (1:1 Direct-drive)
- Single spray
- Durable stainless steel body
- Mechanical locking chuck
- Thermo washer disinfectable and sterilizable



Contra-angle

Evolve 4010

- Max. Speed: 40,000 rpm (1:1 Direct-drive)
- Single spray
- Push button chuck
- Thermo washer disinfectable and sterilizable



Evolve 4000

- Max. Speed: 40,000 rpm (1:1 Direct-drive)
- Single spray
- Push button chuck
- Thermo washer disinfectable and sterilizable



Air Motors

Evolve 1110/1100

- Works with Evolve contra-angle/straight handpieces
- E-1110 integrated fiber optics
- Internal cooling system



Coupling

Stainless • Anti-Retraction Valve

Optic

Model: CK-4010



Optic

Model: CN-4010



Non-Optic

Model: CK-4000



Non-Optic

Model: CN-4000



High Speeds



Specifications		E-6510K	E-6510N	E-6500K	E-6500N	E-6110K	E-6110N	E-6100K	E-6100N
Speed	RPM (Max.)	380,000	380,000	380,000	380,000	400,000	400,000	400,000	400,000
Dive Air Pressure		2.3kg/cm ² ~2.8kg/cm ²							
Burs Size		Size: ISO1797-1 Type3 Ø1.59~1.60mm							
Head	Type	Standard head	Standard head	Standard head	Standard head	Mini head	Mini head	Mini head	Mini head
	Diameter	11.2mm	11.2mm	11.2mm	11.2mm	11mm	11mm	11mm	11mm
	Height	13.5mm	13.5mm	13.5mm	13.5mm	13mm	13mm	13mm	13mm
Cooling System	Spray Hole	4	4	4	4	1	1	1	1
Fiber Optics	Yes/No	Yes	Yes	No	No	Yes	Yes	No	No
Material	Bearing	Ceramic							
Noise	Max (dBA/-3)	65	65	65	65	65	65	65	65
Weight (g)		50	47	41	49	49	41	48	39
Connection	Compatible With	CK-4010	CN-4010	CK-4000	CN-4000	CK-4010	CN-4010	CK-4000	CN-4000
		KaVo-MULTIflex LUX 460LED	NSK-PTL	KaVo-MULTIflex 457	NSK-Mach Lite	KaVo-MULTIflex LUX 460LED	NSK-PTL	KaVo-MULTIflex 457	NSK-Mach Lite

Low Speeds

Contra-angel/ Straight



Specifications		E-4010	E-4000	E-2000
Speed	RPM (Max.)	40,000	40,000	40,000
	Transmission Ratio	1:1	1:1	1:1
Burs Size		Ø2.35 Latch Type Burs, Surgical Drill/TAP	Ø2.35 Latch Type Burs, Surgical Drill/TAP	Ø2.35 Latch Type Burs, Surgical Drill/TAP
Chuck Type		Push type	Push type	Mechanical locking chuck
Angle	Contra/Straight	Contra	Contra	Straight
Cooling System	Spray Hole	1	1	1
Fiber Optics	Yes/No	Yes	N/A	N/A
Material	Bearing	Ceramic	Ceramic	Ceramic
Weight (g)		68	68	90
Connection	Compatible With	E-1110	E-1100	E-1100

Low Speeds

Air Motors



Specifications		E-1110	E-1100
Type	Air/Electric	Air	Air
Function	RPM (Max.)	25,000	25,000
	Anti-Retract Value	Yes	Yes
	Forward/Reverse Speed Adjust	Yes	Yes
Cooling System	Internal/External	Internal	Internal
	Output Adjust	Yes	Yes
Fiber Optics	Yes/No	Yes	No
Weight (g)		83	71

Couplings



CK-4010

- With 6-hole standard connections
- Anti-retraction
- Fiber optic tubing
- Compatible with KAVO MULTIflex LUX 460LED



CK-4000

- With 4-hole standard connections
- Anti-retraction
- Compatible with KAVO MULTIflex 457



CN-4010

- With 6-hole standard connections
- Anti-retraction
- Fiber optic tubing
- Compatible with NSK PTL



CN-4000

- With 4-hole standard connections
- Anti-retraction
- Compatible with NSK Mach Lite

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