












TECHNICAL SPECIFICATIONS

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KEY FEATURES TURBINES

		PRIME LINE	CLASSIC LINE	ECO LINE	BASIC LINE
Coating A brushed surface with crystal structure resists stains and hides micro-abrasions better. In combination with titanium or chrome, the coating treatment gives each handpiece a distinctive character. With laser etching and clean styling, our turbines are lightweight and perfectly balanced.		Titanium	Chrome	Chrome	Chrome
Back cap Thorough back cap tightening for maximum patient safety. The MK-dent back caps, made of durable and high-quality metals, form the basis for quick bur changes due to their smooth push-button mechanism.		Push button	Push button	Push button	Push button
Cartridge Ultimate blend of supreme performance: MK-dent introduces its outstanding premium cartridge. The Aero blade series, honed to create steady power output. Thanks to proprietary laser balancing technology, the turbines run smoothly and vibration-free.		AeroAcoustic blade	AeroPower blade	AeroPerformance blade	AeroPerformance blade
Bur guide The world of drilling would not be the same without carbide. Pressed with 12 tons of pressure and heated to 1,500 °C, carbide is so hard, industrial diamond – the world's hardest material – is used to grind it. Perfect concentricity and unrivaled 40 N of retention force improve long-term precision during operations.		Carbide	Carbide	Carbide	Steel
Reverse flow protection The non-return system for reverse flow protection is an entire system fabricated onto a single component, vastly minimizing the entry of particles and contaminants into the head. With endurance from start to finish line, it is designed for optimized cleanability.		•	•	–	–

KEY FEATURES TURBINES

		PRIME LINE	CLASSIC LINE	ECO LINE	BASIC LINE
Automatic pressure regulation Achieving the right balance between strength and durability is the engineer's dream. The pressure regulation can adjust to virtually any situation. It has been carefully sculpted to regulate the airflow and ensure a constant level of pressure. This enhances gradually the lifetime of the cartridge and bearings.		• / – ¹	–	–	–
Refined ceramic bearings Dental bearings face the most extreme conditions: Particularly high rounds per minute, attacks by superheated steam or various cleaning fluids. Paired with a corrosion-resistant cage as well as the remarkably refined formula of the lubricant, the ceramic balls will have a long journey ahead of them.		•	•	•	•
Glass rod fiber optics Light is not always what it seems. In combination with MK-dent LED and Xenon couplings, available glass rod fiber optics provides 100 % glare-free light, bringing brilliance in the dark. The glass rod is designed for color accurate illumination of the preparation area.		•	○	○	○
Sterilisable and thermodisinfectable Regular reprocessing after each use is required to ensure patient safety. MK-dent turbines should be pre-cleaned, thermally disinfected, lubricated and sterilized in a hygienic working environment. Correct execution of the reprocessing is essential for a long lifetime of dental instruments.		•	•	•	•

• standard – not available ○ optional
1) Only available on some models in combination with K couplers from our range.

PRIME LINE TURBINES

							
	MK-dent Prime Line, standard head, lux	MK-dent Prime Line, small head, lux	MK-dent Prime Line, standard head, lux	MK-dent Prime Line, small head, lux	MK-dent Prime Line, standard head, lux	MK-dent Prime Line, standard head, lux	MK-dent Prime Line, small head, lux
Reference number	HP21KL	HP22KL	HP21NL	HP22NL	HP21SL	HP21WL	HP22WL
Coupling type	Kavo	Kavo	NSK	NSK	Sirona	W&H	W&H
Head dimensions (mm)	Ø 12.5xH 14.3	Ø 10.8xH 12.5	Ø 12.5xH 14.3	Ø 10.8xH 12.5	Ø 12.5xH 14.3	Ø 12.5xH 14.3	Ø 10.8xH 12.5
Power (W)	25	18	25	18	25	25	18
Sound level (db)	Max. 55	Max. 60	Max. 55	Max. 60	Max. 55	Max. 55	Max. 60
Non-load speed (rpm)	350 000	420 000	350 000	420 000	350 000	350 000	420 000
Light	√	√	√	√	√	√	√
Spray outlet	4 asymetrical mixed	3 asymetrical mixed	4 asymetrical mixed	3 asymetrical mixed	4 asymetrical mixed	4 asymetrical mixed	3 asymetrical mixed
Coupling	QC6116KW (LED) QC6116K (LED) QC6016KW (LED) QC6016K (LED)	QC6116KW (LED) QC6116K (LED) QC6016KW (LED) QC6016K (LED)	QC6016NT (LED)	QC6016NT (LED)	QC6016SW (LED)	QC5016W	QC5016W
Weight (g)	69	67	69	67	69	69	67
Warranty (months)	24	24	24	24	24	24	24



CLASSIC LINE TURBINES

						
	MK-dent Classic Line, standard head, power edition, lux	MK-dent Classic Line, standard head, lux	MK-dent Classic Line, small head, lux	MK-dent Classic Line, standard head, power edition	MK-dent Classic Line, standard head	MK-dent Classic Line, small head
Reference number	HC20KL	HC21KL	HC22KL	HC20K	HC21K	HC22K
Coupling type	Kavo	Kavo	Kavo	Kavo	Kavo	Kavo
Head dimensions (mm)	Ø 12.5xH 14.3	Ø 12.5xH 14.3	Ø 10.8xH 12.5	Ø 12.5xH 14.3	Ø 12.5xH 14.3	Ø 10.8xH 12.5
Power (W)	28	23	18	28	23	18
Sound level (db)	Max. 57	Max. 57	Max. 60	Max. 57	Max. 57	Max. 60
Non-load speed (rpm)	375 000	375 000	420 000	375 000	375 000	420 000
Light	√	√	√	-	-	-
Spray outlet	4 asymetrical mixed	4 asymetrical mixed	3 asymetrical mixed	4 asymetrical mixed	4 asymetrical mixed	3 asymetrical mixed
Coupling	QC6016KW (LED) QC6016K (LED) QC5016KW (Xenon) QC5016K (Xenon)	QC6016KW (LED) QC6016K (LED) QC5016KW (Xenon) QC5016K (Xenon)	QC6016KW (LED) QC6016K (LED) QC5016KW (Xenon) QC5016K (Xenon)	QC4014K QC4012K	QC4014K QC4012K	QC4014K QC4012K
Weight (g)	63	63	58	63	63	58
Warranty (months)	18	18	18	18	18	18

ECO LINE TURBINES

							
	MK-dent Eco Line, standard head, lux	MK-dent Eco Line, standard head, lux	MK-dent Eco Line, small head, lux	MK-dent Eco Line, standard head	MK-dent Eco Line, standard head	MK-dent Eco Line, small head	MK-dent Eco Line, standard head,lux
Reference number	HE20KL	HE21KL	HE22KL	HE20K	HE21K	HE22K	HE21NL
Coupling type	Kavo	Kavo	Kavo	Kavo	Kavo	Kavo	NSK
Head dimensions (mm)	Ø 12.5 x H 14.3	Ø 12.5xH 14.3	Ø 10.8xH 12.5	Ø 12.5xH 14.3	Ø 12.5xH 14.3	Ø 10.8xH 12.5	Ø 12.5xH 14.3
Power (W)	28	24	16	28	24	16	24
Sound level (db)	Max. 60	Max. 62	Max. 60	Max. 60	Max. 62	Max. 60	Max. 62
Non-load speed (rpm)	320 000	320 000	420 000	320 000	320 000	420 000	320 000
Light	√	√	√	-	-	-	√
Spray outlet	4 asymetrical mixed	4 asymetrical mixed	3 asymetrical mixed	4 asymetrical mixed	4 asymetrical mixed	3 asymetrical mixed	4 asymetrical mixed
Coupling	QC6016KW (LED) QC6016K (LED) QC5016KW (Xenon) QC5016K (Xenon)	QC6016KW (LED) QC6016K (LED) QC5016KW (Xenon) QC5016K (Xenon)	QC6016KW (LED) QC6016K (LED) QC5016KW (Xenon) QC5016K (Xenon)	QC4014K QC4012K	QC4014K QC4012K	QC4014K QC4012K	QC6016NT (LED) QC5016NT (Xenon)
Weight (g)	62	62	63	62	62	63	62
Warranty (months)	18	18	18	18	18	18	18

ECO LINE TURBINES

							
	MK-dent Eco Line, small head, lux	MK-dent Eco Line, standard head	MK-dent Eco Line, small head	MK-dent Eco Line, standard head, lux	MK-dent Eco Line, standard head, lux	MK-dent Eco Line, small head, Lux	MK-dent Eco Line, standard head
Reference number	HE22NL	HE21N	HE22N	HE21SL	HE21WL	HE22WL	HE21W
Coupling type	NSK	NSK	NSK	Sirona	W&H	W&H	W&H
Head dimensions (mm)	Ø 10.8xH 12.5	Ø 12.5xH 14.3	Ø 10.8xH 12.5	Ø 12.5xH 14.3	Ø 12.5xH 14.3	Ø 10.8xH 12.5	Ø 12.5xH 14.3
Power (W)	16	24	16	24	24	16	24
Sound level (db)	Max. 60	Max. 62	Max. 60	Max. 62	Max. 62	Max. 60	Max. 62
Non-load speed (rpm)	420 000	320 000	420 000	320 000	320 000	420 000	320 000
Light	√	-	-	√	√	√	-
Spray outlet	3 asymetrical mixed	4 asymetrical mixed	3 asymetrical mixed	4 asymetrical mixed	4 asymetrical mixed	3 asymetrical mixed	4 asymetrical mixed
Coupling	QC6016NT (LED) QC5016NT (Xenon)	QC4014NT	QC4014NT	QC6016SW (LED) QC5016SW (Xenon)	QC5016W	QC5016W	QC4014W
Weight (g)	63	62	63	62	62	63	62
Warranty (months)	18	18	18	18	18	18	18




ECO LINE TURBINES

							
	MK-dent Eco Line, small head	MK-dent Eco Line, standard head	MK-dent Eco Line, mini head	MK-dent Eco Line, standard head	MK-dent Eco Line, mini head	MK-dent Eco Line, standard head	MK-dent Eco Line, small head
Reference number	HE22W	HE15L	HE16L	HE12	HE14	HE17	HE18
Coupling type	W&H	Midwest 5-hole	Midwest 5-hole	Midwest 4-hole	Midwest 4-hole	Midwest 4-hole	Midwest 4-hole
Head dimensions (mm)	Ø 10.8xH 12.5	Ø 12.5xH 14.3	Ø 11.0xH 13.3	Ø 12.5xH 14.3	Ø 11.0xH 13.3	Ø 12.5xH 14.3	Ø 10.8xH 12.5
Power (W)	16	18	15	18	15	28	18
Sound level (db)	Max. 62	Max. 60	Max. 60	Max. 60	Max. 60	Max. 60	Max. 65
Non-load speed (rpm)	475 000	335 000	425 000	335 000	425 000	360 000	410 000
Light	-	√	√	-	-	-	-
Spray outlet	3 asymetrical mixed	4 asymetrical mixed	3 asymetrical mixed	1	1	4 asymetrical mixed	3 asymetrical mixed
Coupling	QC4014W	-	-	-	-	-	-
Weight (g)	63	63	63	63	63	63	60
Warranty (months)	18	18	18	18	18	18	18


ECO LINE TURBINES

		
	MK-dent Eco Line, standard head	MK-dent Eco Line, standard head
Reference number	HE11	HE17B
Coupling type	Borden 2-hole	Borden 2-hole
Head dimensions (mm)	Ø 12.5xH 14.3	Ø 12.5xH 14.3
Power (W)	18	28
Sound level (db)	Max. 60	Max. 62
Non-load speed (rpm)	335 000	320 000
Light	-	-
Spray outlet	1	4 asymetrical mixed
Coupling	-	-
Weight (g)	63	62
Warranty (months)	18	18







BASIC LINE TURBINES

							
	MK-dent Basic Line, standard head, lux	MK-dent Basic Line, mini head, lux	MK-dent Basic Line, standard head	MK-dent Basic Line, mini head	MK-dent Basic Line, standard head, lux	MK-dent Basic Line, mini head, lux	MK-dent Basic Line, standard head
Reference number	HB21KL	HB23KL	HB21K	HB23K	HB15L	HB16L	HB12
Coupling type	Kavo	Kavo	Kavo	Kavo	Midwest 5-hole	Midwest 5-hole	Midwest 4-hole
Head dimensions (mm)	Ø 12.5xH 14.3	Ø 11.0xH 13.3	Ø 12.5xH 14.3	Ø 11.0xH 13.3	Ø 12.5xH 14.3	Ø 11.0xH 13.3	Ø 12.5xH 14.3
Power (W)	21	15	21	15	18	15	18
Sound level (db)	Max. 65	Max. 65	Max. 65	Max. 65	Max. 65	Max. 65	Max. 65
Non-load speed (rpm)	350 000	420 000	350 000	420 000	335 000	425 000	320 000
Light	√	√	-	-	√	√	-
Spray outlet	4 asymetrical mixed	1	4 asymetrical mixed	1	1	1	1
Coupling	QC6016KW (LED) QC6016K (LED) QC5016KW (Xenon) QC5016K (Xenon)	QC6016KW (LED) QC6016K (LED) QC5016KW (Xenon) QC5016K (Xenon)	QC4014K QC4012K	QC4014K QC4012K	-	-	Midwest 4-hole
Weight (g)	63	66	63	66	57	56	57
Warranty (months)	12	12	12	12	12	12	12



BASIC LINE TURBINES

	
	MK-dent Basic Line, mini head
Reference number	HB14
Coupling type	Midwest 4-hole
Head dimensions (mm)	Ø 11.0xH 13.3
Power (W)	15
Sound level (db)	Max. 65
Non-load speed (rpm)	425 000
Light	-
Spray outlet	1
Coupling	Midwest 4-hole
Weight (g)	55
Warranty (months)	12

COUPLINGS

							
	MK-dent coupling, LED	MK-dent coupling, LED	MK-dent coupling, LED	MK-dent coupling, LED	MK-dent coupling, LED	MK-dent coupling, LED	MK-dent coupling, Xenon
Reference number	QC6116KW	QC6116K	QC6016KW	QC6016K	QC6016NT	QC6016SW	QC5116KW
Coupling type	Kavo	Kavo	Kavo	Kavo	NSK	Sirona	Kavo
Water regulation	√	-	√	-	-	√	√
Coating	Titanium	Titanium	Chrome	Chrome	Chrome	Chrome	Titanium
Non-retraction valve	√	√	√	√	√	√	√
Color temperature (K)	5500	5500	5500	5500	5500	5500	5500
Operating voltage of the high-pressure lamp (V)	3.2 – 3.5	3.2 – 3.5	3.2 – 3.5	3.2 – 3.5	3.2 – 3.5	3.2 – 3.5	3.2 – 3.5
Tubing	6-pin	6-pin	6-pin	6-pin	6-pin	6-pin	6-pin
Weight (g)	31	21	31	24	33	38	31
Warranty (months)	24	24	24	24	24	24	24

COUPLINGS






							
	MK-dent coupling Xenon	MK-dent coupling Xenon	MK-dent coupling Xenon	MK-dent coupling Xenon	MK-dent coupling Xenon	MK-dent coupling	MK-dent coupling
Reference number	QC5116K	QC5016KW	QC5016SW	QC5016K	QC5016NT	QC5016W	QC4014K
Coupling type	Kavo	Kavo	Sirona	Kavo	NSK	W&H	Kavo
Water regulation	-	√	√	-	-	-	-
Coating	Titanium	Chrome	Chrome	Chrome	Chrome	Chrome	Chrome
Non-retraction valve	√	√	√	√	√	√	√
Color temperature (K)	5500	5500	5500	5500	5500	-	-
Operating voltage of the high-pressure lamp (V)	3.2 – 3.5	3.2 – 3.5	3.2 – 3.5	3.2 – 3.5	3.2 – 3.5	-	-
Tubing	6-pin	6-pin	6-pin	6-pin	6-pin	6-pin	4-pin
Weight (g)	22	31	38	24	32	32	24
Warranty (months)	24	24	24	24	24	24	24

COUPLINGS







	MK-dent coupling	MK-dent coupling	MK-dent coupling
Reference number	QC4014NT	QC4014W	QC4012K
Coupling type	NSK	W&H	Kavo
Water regulation	-	-	-
Coating	Chrome	Chrome	Chrome
Non-retraction valve	√	√	√
Color temperature (K)	-	-	-
Operating voltage of the high-pressure lamp (V)	-	-	-
Tubing	4-pin	4-pin	2-pin
Weight (g)	33	33	24
Warranty (months)	24	24	24

KEY FEATURES CONTRA-ANGLES





		PRIME LINE	CLASSIC LINE	ECO LINE	BASIC LINE
Coating A brushed surface with crystal structure resists stains and hides micro-abrasions better. In combination with titanium or chrome, the coating treatment gives each handpiece a distinctive character. With laser etching and clean styling, our contra-angles are lightweight and perfectly balanced.		Titanium	Chrome	Chrome	Chrome
Back cap Thorough back cap tightening for maximum patient safety. The MK-dent back caps, made of durable and high-quality metals, form the basis for quick bur changes due to their smooth push-button mechanism.		Push button	Push button	Push button	Push button
Range of transmission Standard gear design in contra-angle handpieces provides a constant speed ratio. Choose from a broad range of purpose-built transmissions, from 1:1 down to 7,4:1 ratio for a variety of indications as well as according speed and torque ranges. Simple to use technology, developed for what you do every day.		from 1:5 down to 7,4:1	from 1:1 down to 7,4:1	from 1:5 down to 7,4:1	1:1
Changeable heads Developed for versatility, the MK-dent interchangeable heads are time-saving and improve sustainability. Simply turn the tension ring of the contra-angle handpiece and choose between several drill heads for a variety of indications. Made out of stainless steel and either coated with titanium or chrome for unmatched longevity.		•	•	•	—
Long-life gears At the heart of every outstanding contra-angle handpiece are exceptional gears. MK-dent long-life gears are engineered to excel at every angle, encouraging complete synthesis between dentist and instrument. Optimized for vibration-free performance thanks to improved torque ratio and class-leading precision.		•	•	•	—

KEY FEATURES CONTRA-ANGLES

		PRIME LINE	CLASSIC LINE	ECO LINE	BASIC LINE
Optimum balance Designed to be a natural extension of the user's hand. Contra-Angle handpieces manufactured by MK-dent precisely convey the practitioner's intent during treatment, reducing fatigue and ensuring smooth operation – especially for procedures that require precision and delicate movements.		•	•	•	—
Lightweight for tireless working Exceeding the expectations of lightweight without compromising performance. MK-dent's high-class materials are durable and more heat-resistant while delivering the size and weight reduction demanded by long hours of usage.		•	•	•	•
Glass rod light conductor Light is not always what it seems. In combination with MK-dent LED and Xenon couplings, available glass rod fiber optics provides 100 % glare-free light, bringing brilliance in the dark. The glass rod is designed for color accurate illumination of the preparation area.		•	•	•	•
Sterilisable and thermodisinfectable Regular reprocessing after each use is required to ensure patient safety. MK-dent turbines should be pre-cleaned, thermally disinfected, lubricated and sterilized in a hygienic working environment. Correct execution of the reprocessing is essential for a long lifetime of dental instruments.		•	•	•	•

• standard — not available ◦ optional


PRIME LINE CONTRA-ANGLES & HEADS

					
	MK-dent Prime Line contra-angle, lux	MK-dent Prime Line contra-angle, lux	MK-dent Prime Line contra-angle, lux	MK-dent Prime Line contra-angle, lux	MK-dent Prime Line straight handpiece, lux
Reference number	LP15L	LP11L	LP54L	LP74L	LP01L
Coupling type	ISO	ISO	ISO	ISO	ISO
Head dimensions (mm)	Ø 10.3xH 15.3	Ø 9.8xH 14.3	Ø 9.8xH 14.3	Ø 9.8xH 14.3	-
Gear ratio	1:5 red	1:1 blue	5,4:1 green	7,4:1 green	1:1 blue
Usable burs	FG-burs (Ø 1.6 mm)	CA-burs (Ø 2.35 mm)	CA-burs (Ø 2.35 mm)	CA-burs (Ø 2.35 mm)	HP-burs (Ø 2.35 mm)
Non-load speed (rpm)	200 000	40 000	7 407	5 405	40 000
Light	√	√	√	√	√
Spray outlet	3 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed
Weight (g)	80	78	78	78	92
Warranty (months)	24	24	24	24	24

PRIME LINE CONTRA-ANGLES & HEADS

			
	MK-dent Prime Line contra-angle head	MK-dent Prime Line contra-angle head	MK-dent Prime Line contra-angle head
Reference number	LPH11	LPH16	LPH21
Coupling type	Kavo	Kavo	Kavo
Head dimensions (mm)	Ø 9.8xH 14.3	Ø 9.8xH 14.8	Ø 9.8xH 14.3
Gear ratio	1:1 blue	1:1 blue	2:1 green
Usable burs	CA-burs (Ø 2.35 mm)	FG-burs (Ø 1.6 mm)	CA-burs (Ø 2.35 mm)
Non-load speed (rpm)	40 000	40 000	20 000
Light	-	-	-
Spray outlet	-	-	-
Weight (g)	12	12	12
Warranty (months)	24	24	24








CLASSIC LINE CONTRA-ANGLES & HEADS

						
	MK-dent Classic Line contra-angle, lux	MK-dent Classic Line contra-angle, lux	MK-dent Classic Line contra-angle, lux	MK-dent Classic Line contra-angle	MK-dent Classic Line contra-angle	MK-dent Classic Line contra-angle
Reference number	LC11L	LC27L	LC74L	LC11	LC27	LC74
Coupling type	ISO	ISO	ISO	ISO	ISO	ISO
Head dimensions (mm)	-	-	-	-	-	-
Gear ratio	1:1 blue	2,7:1 green	7,4:1 green	1:1 blue	2,7:1 green	7,4:1 green
Usable burs	-	-	-	-	-	-
Non-load speed (rpm)	40 000	14 815	5 405	40 000	14 815	5 405
Light	√	√	√	-	-	-
Spray outlet	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed
Weight (g)	70	66	54	70	66	66
Warranty (months)	24	24	24	24	24	24

CLASSIC LINE CONTRA-ANGLES & HEADS

						
	MK-dent Classic Line straight handpiece, lux	MK-dent Classic Line straight handpiece	MK-dent Classic Line contra-angle head	MK-dent Classic Line contra-angle head	MK-dent Classic Line contra-angle head	MK-dent Classic Line contra-angle head
Reference number	LC01L	LC01	LCH11	LCH16	LCH21	LCH21P
Coupling type	ISO	ISO	-	-	-	-
Head dimensions (mm)	-	-	Ø 9.8xH 14.3	Ø 9.8xH 14.3	Ø 9.8xH 14.3	Ø 9.5xH 16.7
Gear ratio	1:1 blue	1:1 blue	1:1 blue	1:1 blue	2:1 green	2:1 green
Usable burs	HP-burs (Ø 2.35 mm)	HP-burs (Ø 2.35 mm)	CA-burs (Ø 2.35 mm)	FG-burs (Ø 1.6 mm)	CA-burs (Ø 2.35 mm)	Screw-in and snap-on cups
Non-load speed (rpm)	40 000	40 000	40 000	40 000	20 000	20 000
Light	√	-	-	-	-	-
Spray outlet	1 asymetrical mixed	1 asymetrical mixed	-	-	-	-
Weight (g)	66	66	12	12	12	12
Warranty (months)	24	24	24	24	24	24

ECO LINE CONTRA-ANGLES & HEADS

							
	MK-dent Eco Line contra-angle, lux	MK-dent Eco Line contra-angle, lux	MK-dent Eco Line contra-angle, lux	MK-dent Eco Line contra-angle, lux	MK-dent Eco Line contra-angle, lux	MK-dent Eco Line contra-angle, lux	MK-dent Eco Line contra-angle, lux
Reference number	LE15L	LE11L	LE16L	LE21L	LE27L	LE54L	LE54LP
Coupling type	ISO	ISO	ISO	ISO	ISO	ISO	ISO
Head dimensions (mm)	Ø 10.3xH 15.1	Ø 9.8xH 14.3	Ø 9.8xH 14.8	Ø 9.8xH 14.3	Ø 9.8xH 14.3	Ø 9.8xH 14.3	Ø 9.5xH 16.7
Gear ratio	1:5 red	1:1 blue	1:1 blue	2:1 green	2,7:1 green	5,4:1 green	5,4:1 green
Usable burs	FG-burs (Ø 1.6 mm)	CA-burs (Ø 2.35 mm)	FG-burs (Ø 1.6 mm)	CA-burs (Ø 2.35 mm)	CA-burs (Ø 2.35 mm)	CA-burs (Ø 2.35 mm)	Screw-in and snap-on cups
Non-load speed (rpm)	200 000	40 000	40 000	20 000	14 815	7 407	7 407
Light	√	√	√	√	√	√	√
Spray outlet	3 asymetrical mixed	3 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed
Weight (g)	80	80	80	80	80	80	80
Warranty (months)	24	24	24	24	24	24	24

ECO LINE CONTRA-ANGLES & HEADS

							
	MK-dent Eco Line contra-angle, lux	MK-dent Eco Line contra-angle	MK-dent Eco Line contra-angle	MK-dent Eco Line contra-angle	MK-dent Eco Line contra-angle	MK-dent Eco Line contra-angle	MK-dent Eco Line contra-angle
Reference number	LE74L	LE15	LE11	LE16	LE21	LE27	LE54
Coupling type	ISO	ISO	ISO	ISO	ISO	ISO	ISO
Head dimensions (mm)	Ø 9.8xH 14.3	Ø 10.3xH 15.1	Ø 9.8xH 14.3	Ø 9.8xH 14.8	Ø 9.8xH 14.3	Ø 9.8xH 14.3	Ø 9.8xH 14.3
Gear ratio	7,4:1 green	1:5 red	1:1 blue	1:1 blue	2:1 green	2,7:1 green	5,4:1 green
Usable burs	CA-burs (Ø 2.35 mm)	FG-burs (Ø 1.6 mm)	CA-burs (Ø 2.35 mm)	FG-burs (Ø 1.6 mm)	CA-burs (Ø 2.35 mm)	CA-burs (Ø 2.35 mm)	CA-burs (Ø 2.35 mm)
Non-load speed (rpm)	5 405	200 000	40 000	40 000	20 000	14 815	7 407
Light	√	-	-	-	-	-	-
Spray outlet	1 asymetrical mixed	3 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed
Weight (g)	80	80	80	80	80	80	80
Warranty (months)	24	24	24	24	24	24	24

ECO LINE CONTRA-ANGLES & HEADS

				
	MK-dent Eco Line contra-angle	MK-dent Eco Line contra-angle	MK-dent Eco Line straight handpiece, lux	MK-dent Eco Line straight handpiece
Reference number	LE54P	LE74	LE01L	LE01
Coupling type	ISO	ISO	ISO	ISO
Head dimensions (mm)	Ø9.5xH16.7	Ø9.8xH14.3	-	-
Gear ratio	5,4:1 green	7,4:1 green	1:1 blue	1:1 blue
Usable burs	Screw-in and snap-on cups	CA-burs (Ø2.35 mm)	HP-burs (Ø2.35 mm)	HP-burs (Ø2.35 mm)
Non-load speed (rpm)	7 407	5 405	40 000	40 000
Light	-	-	√	-
Spray outlet	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed	1 asymetrical mixed
Weight (g)	80	80	100	100
Warranty (months)	24	24	24	24








BASIC LINE CONTRA-ANGLES & HEADS

					
	MK-dent Basic Line contra-angle	MK-dent Basic Line contra-angle	MK-dent Basic Line contra-angle	MK-dent Basic Line straight handpiece	MK-dent Basic Line straight handpiece
Reference number	LB11W	LB1111	LB1111C	LB01W	LB02
Coupling type	ISO	ISO	ISO	ISO	ISO
Head dimensions (mm)	Ø9.8xH14.8	Ø9.5xH14.5	Ø8.0xH13.3	-	-
Gear ratio	1:1 blue	1:1 blue	1:1 blue	1:1 blue	1:1 blue
Usable burs	CA-burs (Ø2.35 mm)	CA-burs (Ø2.35 mm)	CA-burs (Ø2.35 mm)	HP-burs (Ø2.35 mm)	HP-burs (Ø2.35 mm)
Non-load speed (rpm)	40 000	20 000	20 000	40 000	40 000
Light	-	-	-	-	-
Spray outlet	1 asymetrical mixed	External	External	External	External
Weight (g)	66	54	54	88	85
Warranty (months)	12	12	12	12	12


BASIC LINE CONTRA-ANGLES & HEADS

			
	MK-dent Basic Line contra-angle head	MK-dent Basic Line contra-angle head	MK-dent Basic Line contra-angle head
Reference number	LBH11	LBH11C	LBH11P
Coupling type	-	-	-
Head dimensions (mm)	Ø9.5xH13.3	Ø8.0xH13.3	Ø7.7xH14.2
Gear ratio	1:1 blue	1:1 blue	1:1 blue
Usable burs	CA-burs (Ø2.35 mm)	CA-burs (Ø2.35 mm)	Snap-on cups
Non-load speed (rpm)	20 000	40 000	40 000
Light	-	-	-
Spray outlet	-	-	-
Weight (g)	12	12	12
Warranty (months)	12	12	12


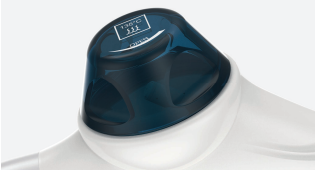

MOTORS

							
	MK-dent motor, electric, LED	MK-dent motor, air, LED	MK-dent motor, air	MK-dent motor, air	MK-dent motor, air	MK-dent motor, air	MK-dent motor, air
Reference number	EM1190K	AM1006	AM1004	AM1002	AM0014	AM0012	AM0004
Anti-retraction valve	√	√	√	√	√	√	√
Color temperature (K)	5500	5500	-	-	-	-	-
Spray system	Internal	Internal	Internal	Internal	External	External	-
Non-load speed (rpm)	40 000	20 000	20 000	20 000	20 000	20 000	20 000
Direction of rotation	left and right	left and right	left and right	left and right	left and right	left and right	left and right
Air pressure (bar)	-	2.8	2.8	2.8	2.8	2.8	2.8
Tubing	-	6-pin	4-pin	2-pin	4-pin	2-pin	4-pin
Weight (g)	73	78	86	82	86	84	85
Warranty (months)	24	24	24	24	24	24	24

MOTORS

	
	MK-dent motor, air
Reference number	AM0002
Anti-retraction valve	√
Color temperature (K)	-
Spray system	-
Non-load speed (rpm)	20 000
Direction of rotation	left and right
Air pressure (bar)	2.8
Tubing	2-pin
Weight (g)	77
Warranty (months)	24






KEY FEATURES AIR POLISHING DEVICES

		PR1011K	PR1011B	PR1011N	PR1011S	PR1011W
360° Nozzle The 360° rotatable nozzle makes it intuitively easy to access hard to reach areas. Perfectly concentrated powder jet increases effectivity and reduces disturbing powder haze. A balanced shape provides an effortless workflow – even in long treatment sessions.		•	•	•	•	•
Synthetic material housing Quality plastics, detachable components. Autoclaving a prophy handpiece after using it is an essential part of the reprocessing procedure. Designed with highest quality plastics and easily detachable components to withstand attacks by superheated steam at 135 °C (275 °F). ¹		High-performance plastics	High-performance plastics	High-performance plastics	High-performance plastics	High-performance plastics
Plug and play The Propy Line adapts to every existing treatment unit without tremendous installation efforts. It is available for Kavo, Sirona, W&H, NSK and Bien-Air connections.		Kavo	Bien-Air	NSK	Sirona	W&H

• standard – not available ◦ optional

1) Only the removable powder tip of the Propy Line Air Polishing Device is sterilizable.

PROPHY LINE AIR POLISHING DEVICES







					
	MK-dent Propy Line air polish device	MK-dent Propy Line air polish device	MK-dent Propy Line air polish device	MK-dent Propy Line air polish device	MK-dent Propy Line air polish device
Reference number	PR1011K	PR1011B	PR1011N	PR1011S	PR1011W
Coupling Type	Kavo	Bien-Air	NSK	Sirona	W&H
Material Housing	High-performance plastics	High-performance plastics	High-performance plastics	High-performance plastics	High-performance plastics
Min. Powder Consumption Volume (g)	4	4	4	4	4
Min. Water Flow (ml)	45	45	45	45	45
Min. Air Flow Volume (L)	12	12	12	12	12
Weight (g)	142	133	144	137	136
Warranty (months)	24	24	24	24	24

KEY FEATURES SCALERS

	SC21EL	SC21KL	SC21SL	SC21E	SC21E2	SC21S
Linear tip movement Traditional scalers operate at frequencies between 5 – 15 kHz with an elliptical movement of the tip. The piezoelectric method moves the tip at approx. 30 kHz in a linear way. Drastically reduced pain makes ultrasonic scaling more appreciated by patients.	●	●	●	●	●	●
Synthetic material Quality plastics, fully sealed on the inside. Autoclaving a scaler handpiece after using it is an essential part of the reprocessing procedure. Designed with highest quality plastics to fully seal the inside of the handpiece, attacks by superheated steam at 135 °C (275 °F) will not harm the scaler handpiece.	High-performance plastics	High-performance plastics	High-performance plastics	High-performance plastics	High-performance plastics	High-performance plastics
Stainless steel cap Eliminated pull, perfect balance. A stainless-steel cap prevents damages in the front of the handpiece. Additionally, the cap gives you the perfect balance as the weight is pulled to the front of the handpiece, balancing the weight of the tubing. This way, the pull on your hand is eliminated.	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel

● standard – not available ○ optional

PROPHY LINE SCALERS

	 MK-dent Prophy Line scaler, lux	 MK-dent Prophy Line scaler, lux	 MK-dent Prophy Line scaler, lux	 MK-dent Prophy Line scaler	 MK-dent Prophy Line scaler	 MK-dent Prophy Line scaler
Reference number	SC21EL	SC21KL	SC21SL	SC21E	SC21E2	SC21S
Scaler Tip Type	EMS	EMS	Aceton-Satalec	EMS	EMS	Aceton-Satalec
Hose Connection Type	EN-060A	REF 1.007.3995	F 12 609	EN-041	EN-061	F 12 281
Light	√	√	√	-	-	-
Cover	Steel	Steel	Steel	Steel	Steel	Steel
Frequency Range (kHz)	24 - 33	24 - 33	24 - 33	24 - 33	24 - 33	24 - 33
Weight (g)	50	50	55	52	50	52
Warranty (months)	12	12	12	12	12	12

PREMIUM SERVICE OIL



MK-dent premium
service oil, 500 ml



MK-dent premium
service oil, 500 ml



MK-dent premium
service oil, 500 ml

Reference number	LU1011	LU1022	LU1031
Scent	Mint	Mint	Mint
Suitable for	Large selection of lubrication tools	Kavo Quattrocare 2 System	W&H Assistina and other maintenance units

OIL ADAPTER

MK-dent aluminium
oil adapterMK-dent aluminium
oil adapterMK-dent aluminium
oil adapterMK-dent aluminium
oil adapterMK-dent aluminium
oil adapterMK-dent aluminium
oil adapterMK-dent aluminium
oil adapter

Reference number	LT1012	LT1013	LT1014	LT1015	LT1017	LT1018	LT1020
Anti-retraction valve	High speed handpieces with MK-dent and Kavo coupling	Low speed handpieces with ISO coupling	FG- and PB-burs (Ø 1.6 mm)	4-hole and 5-hole coupling	High speed handpieces with Sirona coupling	Handpieces with W&H coupling	Handpieces with NSK coupling (Ti-Max)

NOTES

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NOTES

This image shows a full page of blank, lined paper. It features approximately 20 horizontal blue or grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings present.

www.mk-dent.com



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MK-22-12-A