NOUVAG+

+ SOLUTIONS: MANUFACTURED IN SWITZERLAND +

ENT Surgery

nouvag.com

HighSurg 30: Highspeed Motor System for ENT Surgery with Dual Motor Principle

HighSurg 30 provides you with a comprehensive solution for motorized ENT surgery. The motor system can be used in combination with various components specifically designed for ENT surgery, such as electronic motors and handpieces. This allows you to tailor it perfectly to your specific applications and achieve optimal results.

REF 2092nou
ENT Shaver Handpiece
Max. Speed 6,000 RPM
Weight: 170g

REF 1906nou
Highspeed Handpiece
Max. Speed: 80,000 RPM
Weight: 110 g

HIGHLIGHTS

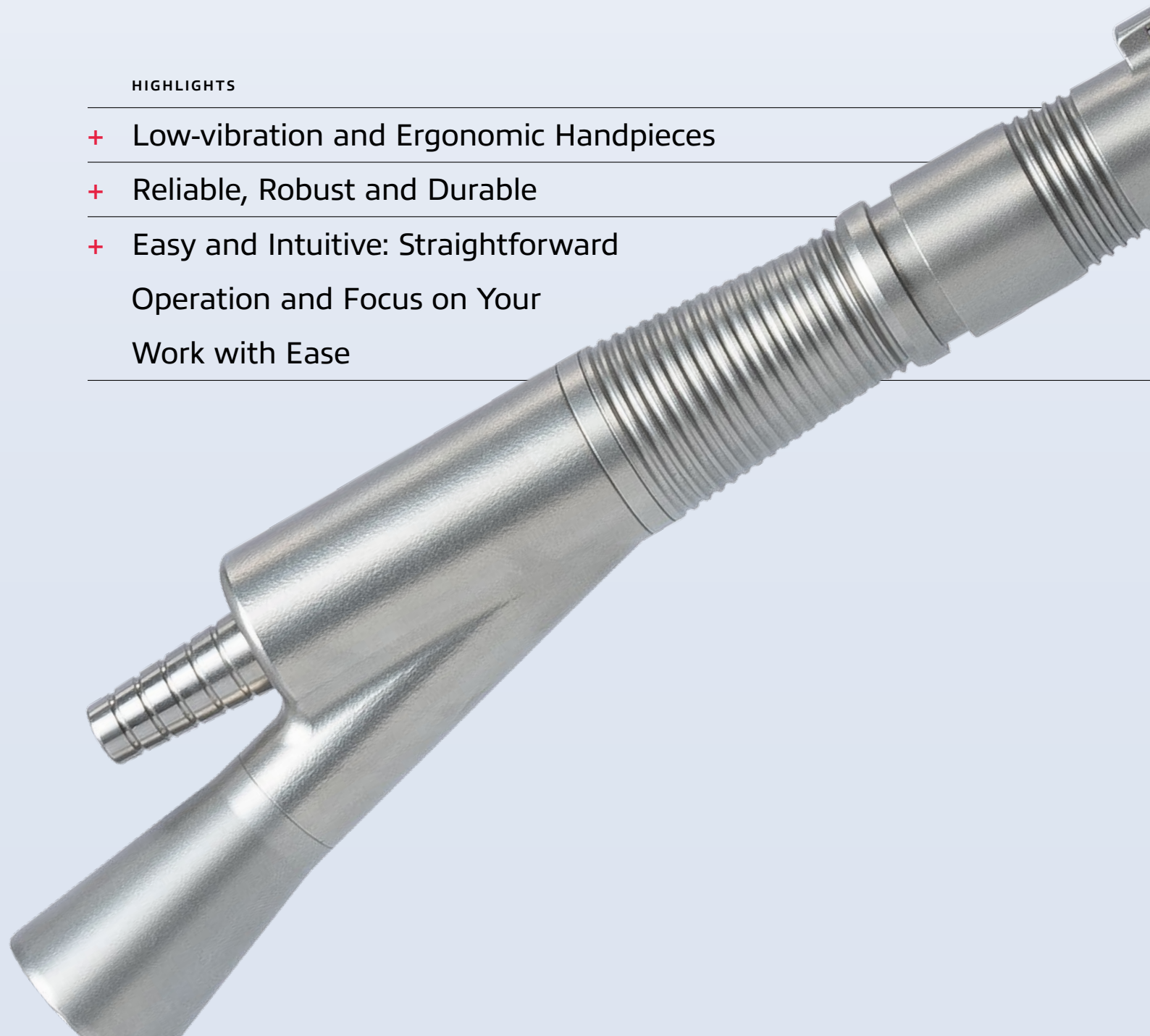
+ Quiet Pump Operation
+ Drive Management with a Dual-motor Principle
+ Easy-to-read and Multifunctional Display
+ Highest Safety and Precision
+ Intuitive Control with Multifunctional Foot Switch
+ Easy Tube Replacement
+ Individual Programming
+ Low Vibration for Fatigue-free Operation

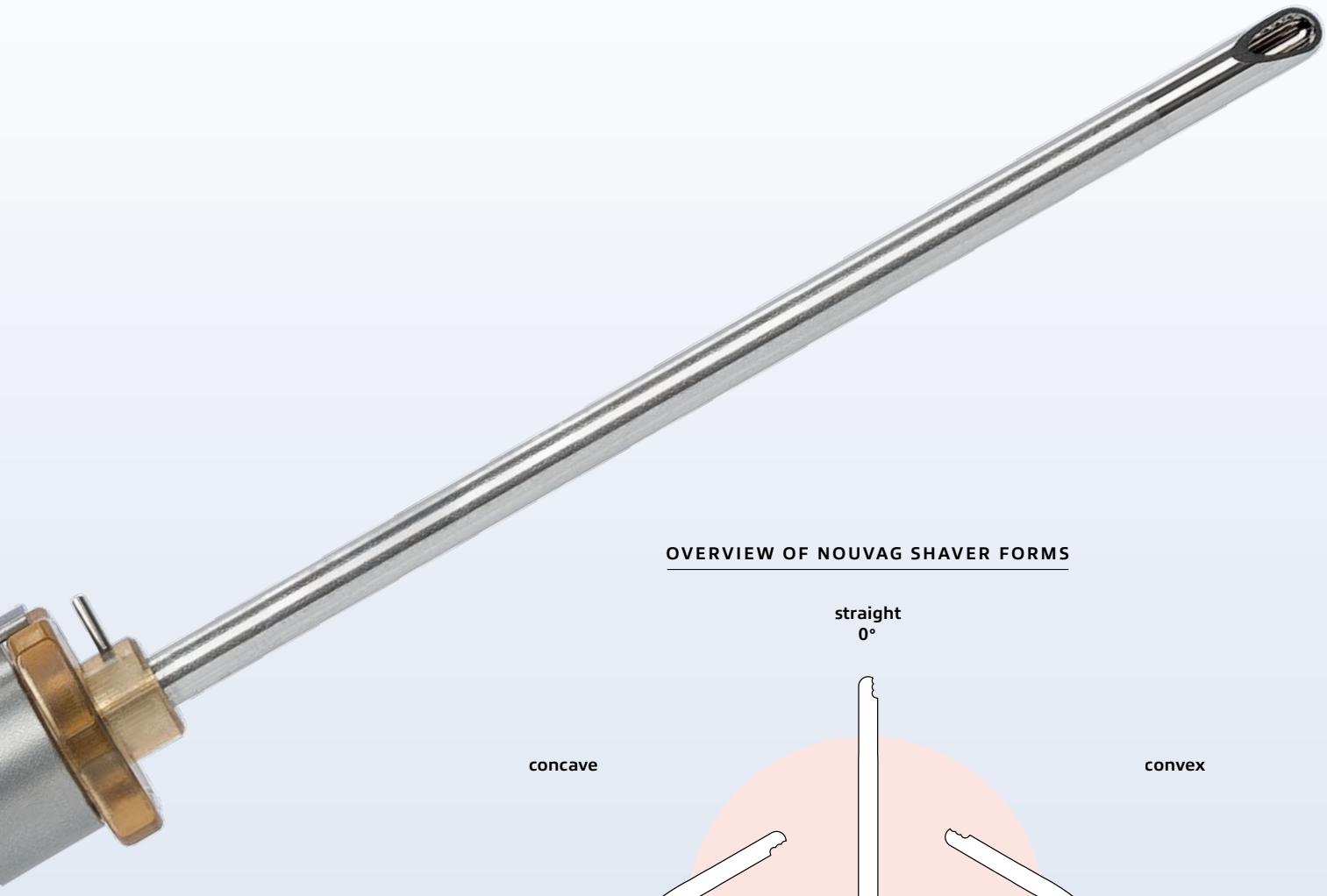
Swiss Reliability and user-friendly design: ENT Shaver Handpieces by NOUVAG

The lightweight and ergonomically shaped hybrid ENT shaver handpiece enables stress-free use in minimally invasive ENT surgery. It is used for tissue, cartilage, or bone fragment removal and excision. The tissue is simply suctioned through the cutting window of the rapidly rotating shaver blade and transported through the suction channel in the shaver handpiece into the container of the connected vacuum pump. The quick-release mechanism allows for easy rotation and fixation of the Shaver blade into the correct position for the procedure.

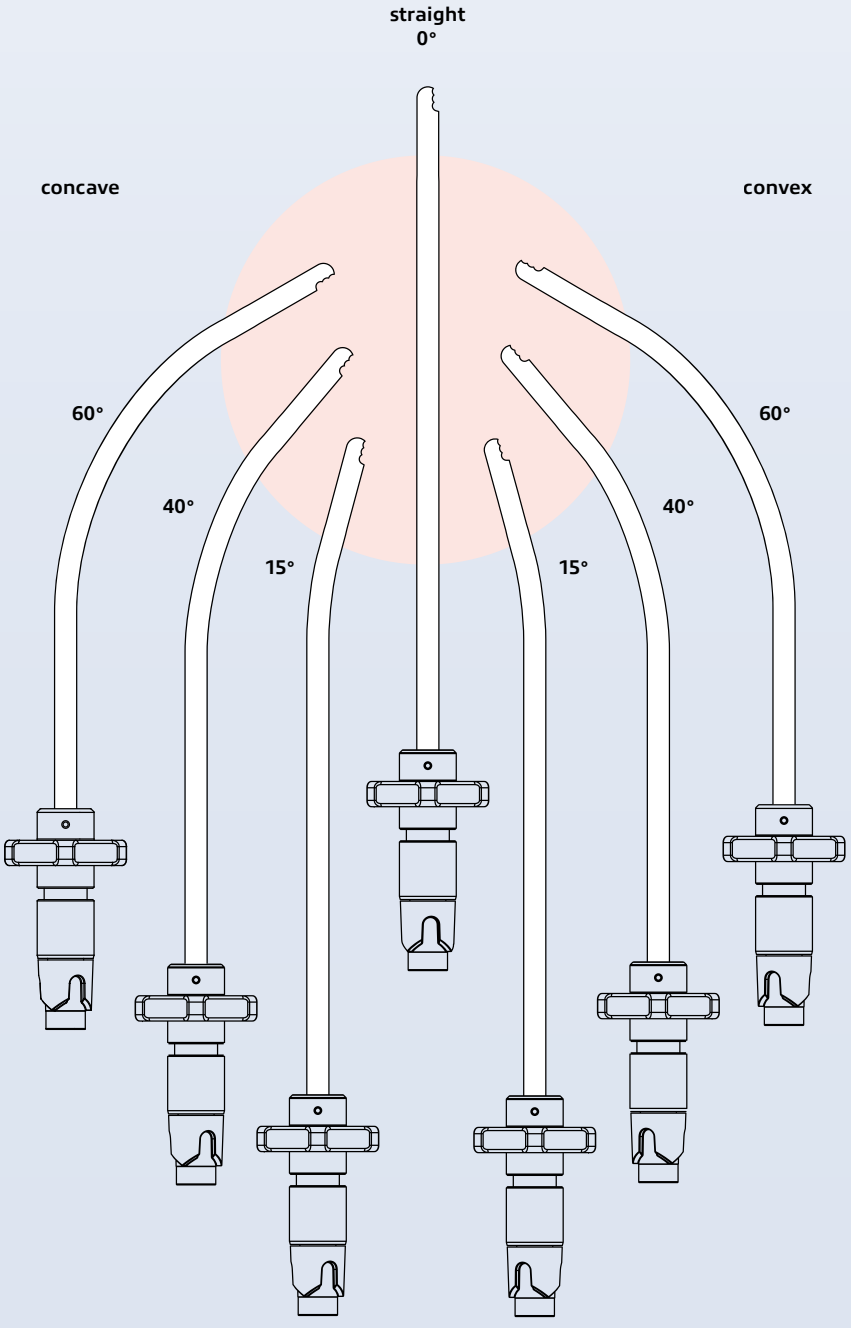
HIGHLIGHTS

+ Low-vibration and Ergonomic Handpieces
+ Reliable, Robust and Durable
+ Easy and Intuitive: Straightforward Operation and Focus on Your Work with Ease





OVERVIEW OF NOUVAG SHAVER FORMS



ENT & Rhinology Shaver Blades – Designed with Highest Precision

	Ø mm	Length mm	Angle	Position	REF
Full-radius Resector	4.0	105	straight	–	5340

	Ø mm	Length mm	Angle	Position	REF
Aggressive Full-radius Resector	3.5	105	straight	–	5295
	4.0	105	straight	–	5344
	4.0	105	40°	concave	5351
	4.0	105	40°	convex	5360
	4.0	105	60°	concave	5353
	4.0	105	60°	convex	5362

	Ø mm	Length mm	Angle	Position	REF
Tri Spike Cutter	3.5	105	straight	–	5296
	4.0	105	straight	–	5342
	4.0	105	15°	concave	5346
	4.0	105	15°	convex	5355
	4.0	105	40°	concave	5347
	4.0	105	40°	convex	5356
	4.0	105	60°	concave	5348
	4.0	105	60°	convex	5357

	Cannula Ø mm	Length mm	Angle	Position	REF
Rhino Diamond Burr	3.5	130	15°	concave	5271

ENT Shaver blades are currently available only in selected countries.

Please contact us for further detailed information if you are interested in making a purchase.

STERILE

Hightorque Micro Saws for Speeds of Up to 15,000 RPM

[1] OSSEOSCALPEL SAGITTAL MICRO SAW

MOS 5000

With an oscillation frequency of 250 cycles per second. Saw blades are often curved to match the desired angle of a planned cut.

REF 5110nou
Weight: 120 g
Oscillation angle: 5°

[2] MICRO COMPASS SAW

MSS 5000

Enhanced with a 2 mm stroke length and a frequency of 75 strokes per second, our micro reciprocating saw significantly improves cutting performance. It is specifically designed for lateral osteotomies in ENT surgery, utilizing the saw blade (REF 5112) for precise and controlled bone cutting.
With its increased cutting power and precision, this tool is an invaluable asset for various applications.

REF 5040nou
Weight: 140 g
Stroke: 2 mm

[3] OSCILLATING MICRO SAW

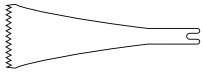
OMS 5000

The high-frequency oscillating micro saw provides exceptional precision for interosteotomies, with a rapid oscillation rate of 266 cycles per second. Its advanced design ensures optimal cutting performance and accuracy.

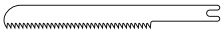
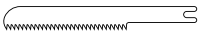
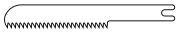
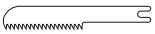
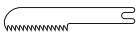
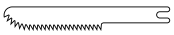
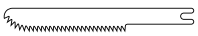
REF 5090nou
Weight: 140 g
Oscillation angle: 25°

Saw Blades for Micro Saws

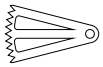
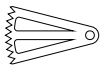
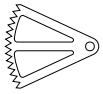
FOR [1] OSSEOSCALPEL SAGITTAL MICRO SAW // MOS 5000

	Shape	Cutting Width	Working Length	PU	REF sterile	REF non-sterile
	straight	4.0 mm	12.0 mm	5	5115snou	5115rnou
	straight	6.0 mm	12.0 mm	5	5116snou	5116rnou
	rounded	6.0 mm	12.0 mm	5	5114snou	5114rnou
	straight	6.0 mm	17.0 mm	5	5117snou	5117rnou
	straight	10.0 mm	17.0 mm	5	5118snou	5118rnou
	straight	12.0 mm	29.0 mm	5	5119snou	5119rnou
	Saw set: 1 piece of each shape, width, and length					5120rnou

FOR [2] MICRO RECIPROCATING SAW // MSS 5000

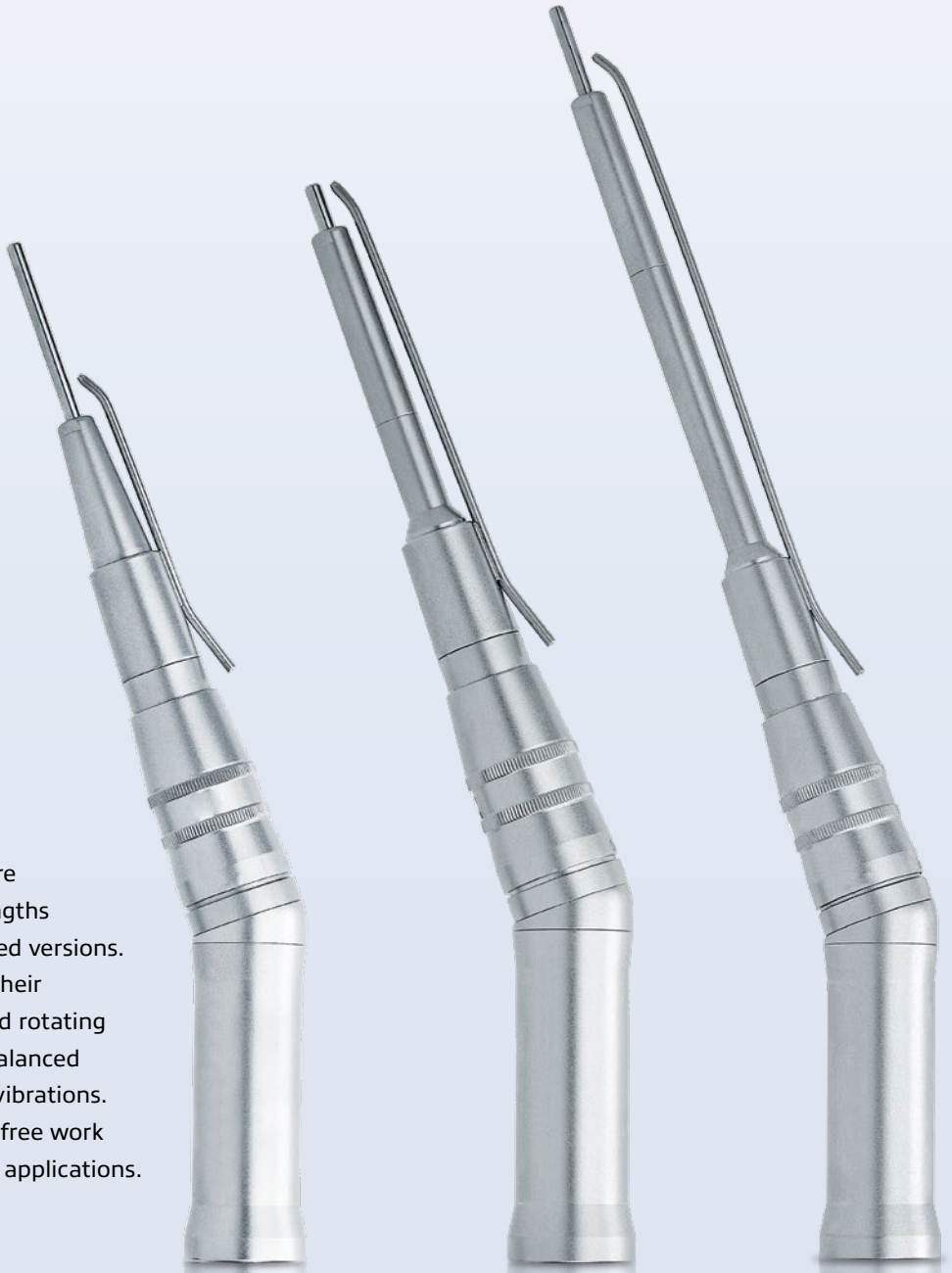
	Application/Shape	Working Length	PU	REF sterile	REF non-sterile
	Rhinologie	6.0 mm	1	5112snou	5112rnou
	straight	26.0 mm	5	5045snou	5045rnou
	straight	22.0 mm	5	5044snou	5044rnou
	straight	18.0 mm	5	5043snou	5043rnou
	straight	14.0 mm	5	5042snou	5042rnou
	straight	11.0 mm	5	5041snou	5041rnou
	rounded	17.0 mm	5	5105snou	5105rnou
	rounded	21.0 mm	5	5106snou	5106rnou
	Saw set: 1 piece of each shape, width, and length				5049rnou

FOR [3] OSCILLATING MICRO SAW // OMS 5000

	Cutting depth	Working Width	Shaft length 33 mm	Shaft length 45 mm	PU	REF sterile	REF non-sterile
	3.0 mm	6.0 mm		+	1	5101snou	5101rnou
	6.3 mm	6.0 mm	+		1	5100snou	5100rnou
	6.3 mm	6.0 mm		+	1	5099snou	5099rnou
	13.3 mm	6.0 mm	+		1	5093snou	5093rnou
	13.3 mm	6.0 mm		+	1	5096snou	5096rnou
	13.3 mm	10.0 mm	+		1	5094snou	5094rnou
	13.3 mm	10.0 mm		+	1	5097snou	5097rnou
	13.3 mm	15.0 mm	+		1	5095snou	5095rnou
	13.3 mm	15.0 mm		+	1	5098snou	5098rnou

1:1 Surgery Handpieces for Speeds of Up to 50,000 RPM

The slim handpieces are available in various lengths and in straight or angled versions. The handpieces, with their quick-release chuck and rotating cooling clip, are well-balanced and operate with low vibrations. This allows for fatigue-free work across a wide range of applications.



REF 1960nou
Weight: 115 g
Instrument length: 70 mm

REF 1961nou
Weight: 115 g
Instrument length: 95 mm

REF 1962nou
Weight: 120 g
Instrument length: 125 mm

REF 1710nou
Weight: 80 g
Instrument
length: 44 mm

REF 1950nou
Weight: 85 g
Instrument
length: 70 mm

REF 1951nou
Weight: 85 g
Instrument
length: 95 mm

REF 1952nou
Weight: 95 g
Instrument
length: 125 mm

Highspeed Burrs for Speeds of Up to 80,000 RPM

	Head Ø mm	Number of cutting edges	Shank length 70 mm, REF	Shank length 95 mm, REF	Shank length 125 mm, REF
Rose burr Steel	0.8	6	RS.070.008	·	·
	1.0	12	RS.070.010	·	·
	1.4	8	RS.070.014	RS.095.014	RS.125.014
	1.8	8	RS.070.018	RS.095.018	RS.125.018
	2.3	8	RS.070.023	RS.095.023	RS.125.023
	2.7	10	RS.070.027	·	·
	3.1	10	RS.070.031	RS.095.031	RS.125.031
	4.0	12	RS.070.040	RS.095.040	RS.125.040
	5.0	12	RS.070.050	RS.095.050	RS.125.050
	6.0	14	RS.070.060	RS.095.060	RS.125.060

Rose burr Carbide	0.5	6	RC.070.005	RC.095.005	·
	0.8	6	RC.070.008	RC.095.008	·
	1.0	6	RC.070.010	RC.095.010	·
	1.4	6	RC.070.014	·	·
	1.8	6	RC.070.018	RC.095.018	·
	2.3	6	RC.070.023	RC.095.023	RC.125.023
	2.7	8	RC.070.027	·	·
	3.1	8	RC.070.031	RC.095.031	RC.125.031
	3.5	8	RC.070.035	RC.095.035	·
	4.0	10	RC.070.040	RC.095.040	RC.125.040
	5.0	12	RC.070.050	RC.095.050	RC.125.050
	6.0	14	RC.070.060	·	·
	7.0	16	RC.070.070	·	·

Highspeed Diamond Burrs, Wirepass and Spiral Drills for Speeds of Up to 80,000 RPM

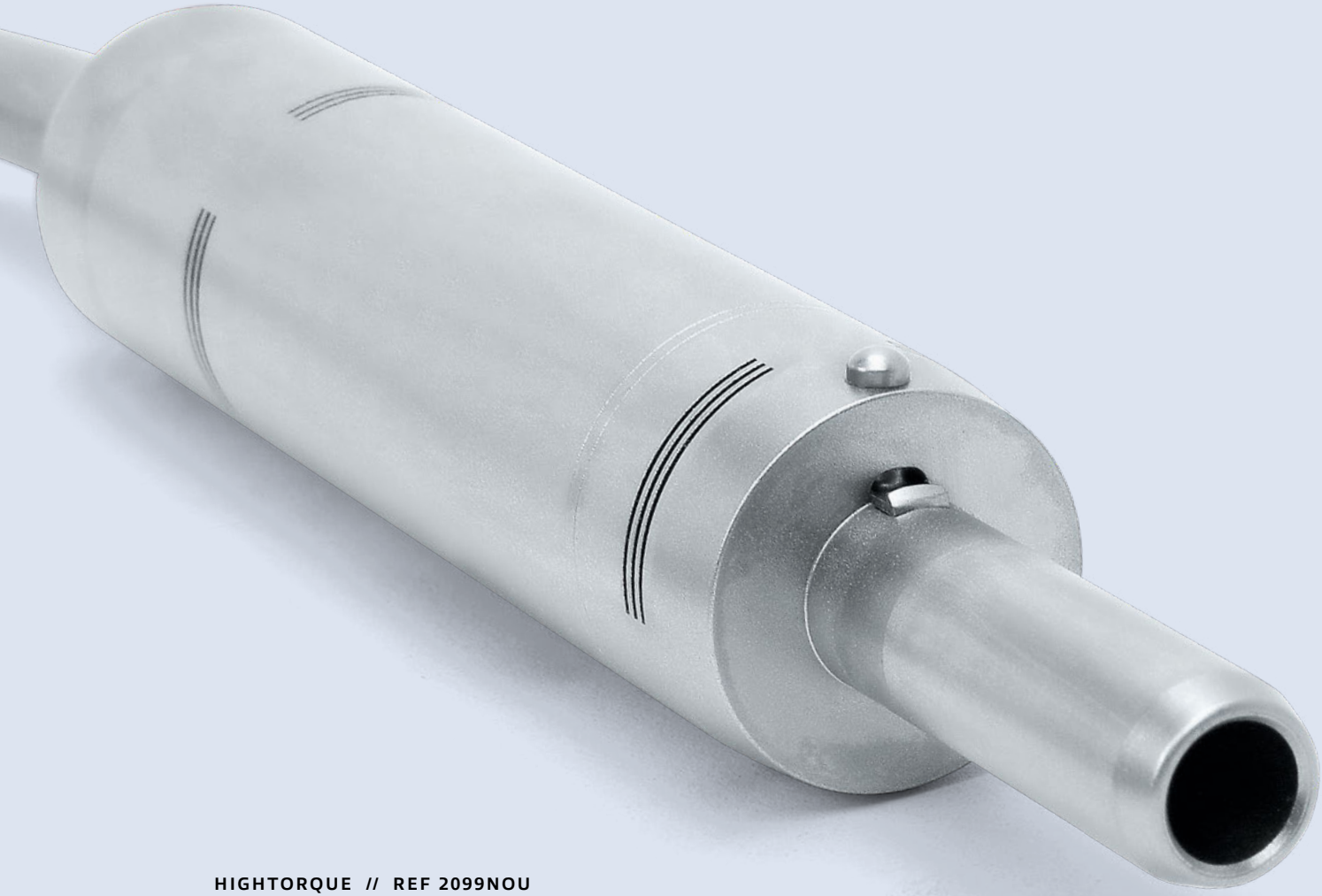
	Head Ø mm	Shank length 70 mm, REF	Shank length 95 mm, REF	Shank length 125 mm, REF
Diamond ball burr	0.6	DA.070.006	DA.095.006	DA.125.006
	0.8	DA.070.008	DA.095.008	DA.125.008
	1.0	DA.070.010	DA.095.010	DA.125.010
	1.4	DA.070.014	DA.095.014	DA.125.014
	1.8	DA.070.018	DA.095.018	DA.125.018
	2.3	DA.070.023	DA.095.023	DA.125.023
	2.7	DA.070.027	DA.095.027	·
	3.1	DA.070.031	·	DA.125.031
	3.5	DA.070.035	DA.095.035	·
	4.0	DA.070.040	DA.095.040	DA.125.040
	4.5	DA.070.045	DA.095.045	DA.125.045
	5.0	DA.070.050	DA.095.050	DA.125.050
	6.0	DA.070.060	DA.095.060	DA.125.060
	7.0	DA.070.070	DA.095.070	·

	Head Ø mm	Number of cutting edges	Working length mm	Shank length 70 mm, REF	Shank length 95 mm, REF	Shank length 125 mm, REF
Wirepass drill	1.0	2	10.0	·	WD.095.010	WD.125.010
	1.2	2	10.0	·	WD.095.012	WD.125.012
	1.5	2	6.6	·	·	WD.125.015

Spiral drill	1.5	2	20.0	·	SD.095.015	·
	2.0	2	20.0	SD.070.020	SD.095.020	·

Electronic Motor 21 with 7.5 Ncm Torque for Various Medical Applications

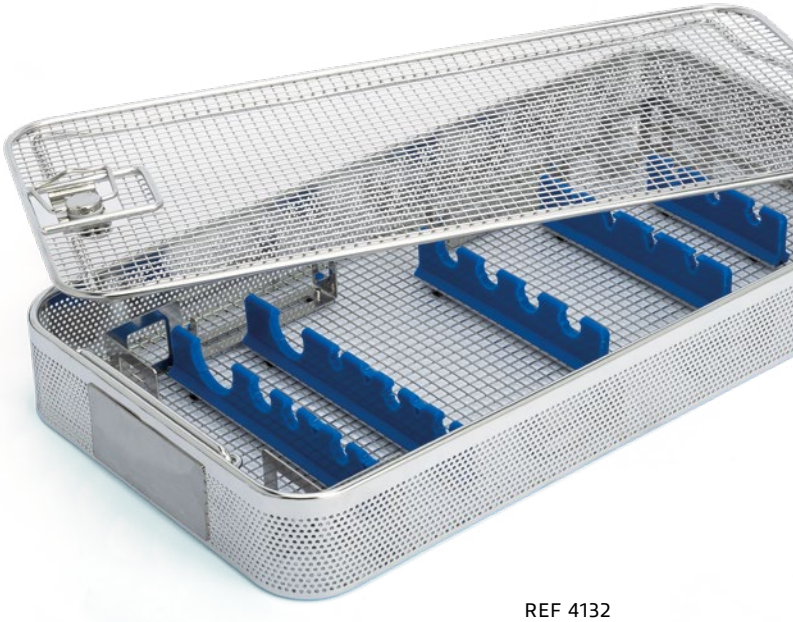
The Electronic Motor 21 by NOUVAG is a durable and powerful motor suitable across different surgical procedures. With its high torque of 7.5 Ncm, it delivers reliable and strong performance for different surgical procedures. The attached handpiece is securely held in place during use, ensuring safe and controlled operation with no undesired rotation. Experience the dependable and precise performance of the Electronic Motor 21 for exceptional medical procedures.



HIGHTORQUE // REF 2099NOU

+ Electronic Motor 21 with Anti-Rotation Feature
+ Motor Speeds of Up to 50,000 RPM
+ Very High Torque of Up to 7.5 Ncm
+ Minimal Vibrations

Accessories



REF 4132
Sterilization basket with clamps for sterilizing Craniotome, Cranial Perforator, high-speed handpieces, and electronic motors (without contents).

Optional REF 4134
Cover for sterilization basket

REF 1898
VEXIO Cart: Modern rolling cart with two shelves, lockable antistatic wheels, and an integrated cable channel for power supply with three outlets.

Optional REF 1894
Bottle holder

REF 1029
Plastic case with foam insert for the transportation and storage of the HighSurg 30 and accessories

REF 6024
Tube set for the peristaltic pump of the HighSurg 30

Technical Data

HighSurg 30	REF 3390
Operating voltage, switchable	100 V~ / 115 V~ / 230 V~ 50–60 Hz
Power consumption	120 VA
Protection class	Class I
Classification of application part	Type BF (Body Floating)*
Max. torque	7.5 Ncm
Dimensions (W x D x H)	260 x 250 x 110 mm
Weight	3.5 kg
Foot switch IP Code	IPX8
Shaver speed: Continuous mode	300–6,000 RPM
Shaver speed: Oscillation mode	300–5,000 RPM
Shaver oscillations period: Oscillation mode	0.2–3.0 sec

* Application parts are instruments that are used with the device.

Electronic Motor 21	REF 2099nou
Power consumption	120 VA
Max. speed	300–50'000 RPM
Max. torque	7.5 Ncm
Coupling	INTRA, ISO 3964
Weight, with cable	340 g
Cable length	2.9 m

ENT Handpiece	REF 1950nou–1952nou 1960nou–1962nou
Gear	1:1
Max. torque	6 Ncm
Coupling	INTRA, ISO 3964
Max. speed	50,000 RPM

ENT Shaver Handpiece	REF 2092nou
Max. speed	300–6,000 RPM
Max. torque	12 Ncm
Coupling	INTRA, ISO 3964
Weight	170 g

Micro Compass Saw	REF 5040nou | 5090nou | 5110nou
Gear	1:1
Max. torque	6 Ncm
Coupling	INTRA, ISO 3964
Max. speed	15,000 RPM

VEXIO Cart	REF 1898
Carrying capacity	65 kg
Electro-Box	Power strip with device connectors
Base area	530 x 610 mm
Overall height	1,160 mm
Shelf, footprint	420 x 450 mm

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