

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 motor-driven 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 dual-motor principle
- + Easy-to-read and multifunctional display
- + Highest safety and precision
- + Intuitive control with multifunction foot switch
- + Easy tube replacement
- + Individual programming
- + Low vibration for fatigue-free operation

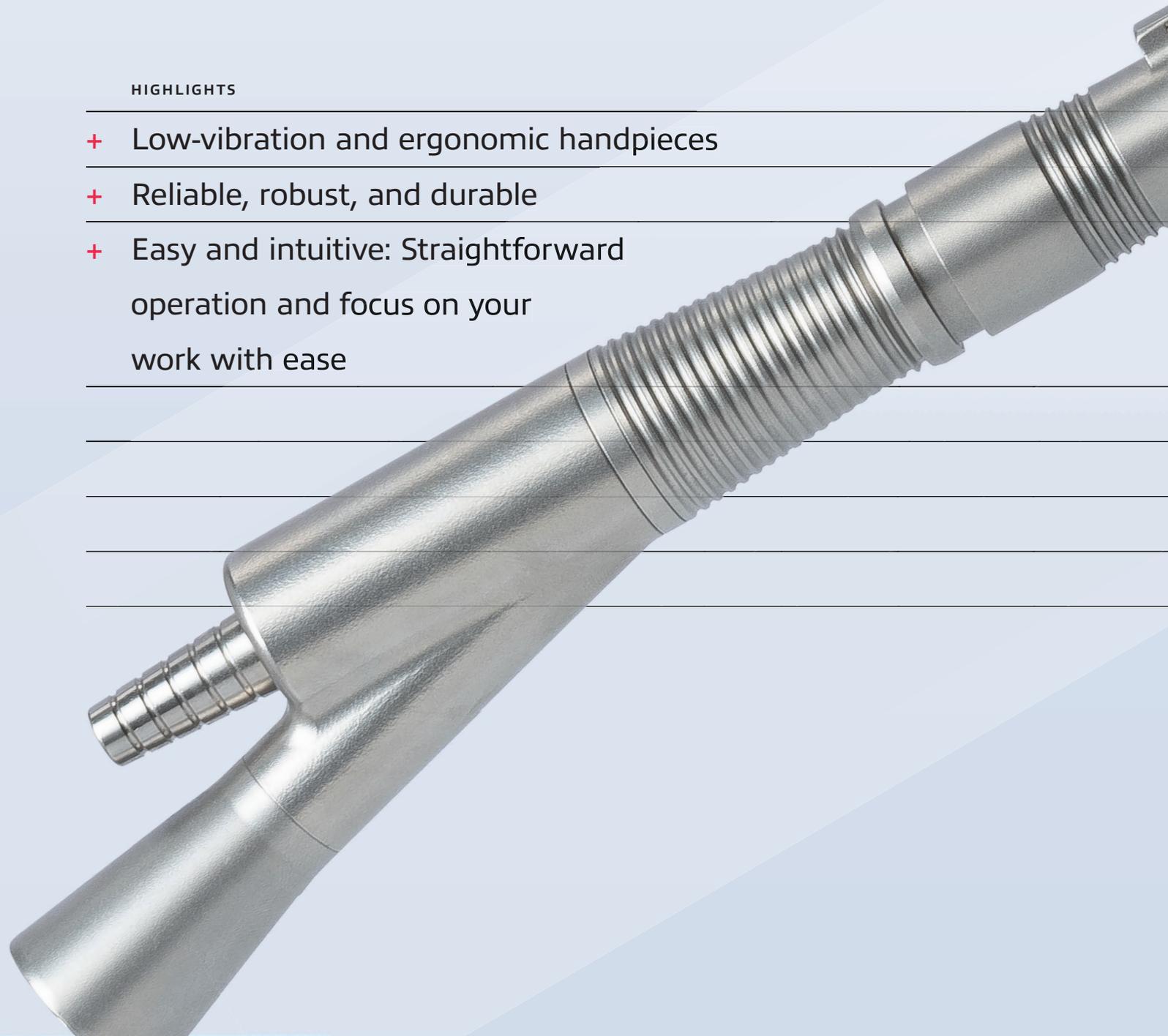


Swiss Reliability and user-friendly design: ENT-Shaver Handpieces by NOUVAG

The lightweight and ergonomically shaped hybrid ENT Shaver Handpiece enables a 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.

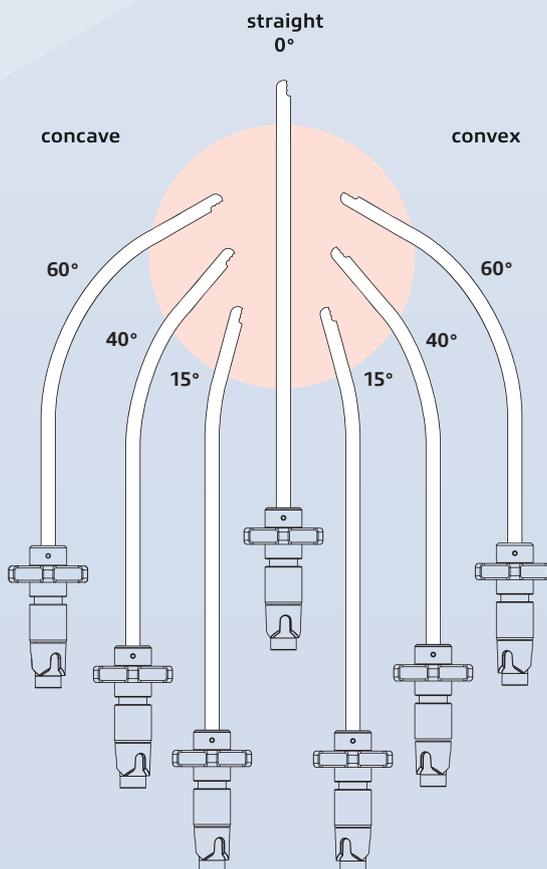
HIGHLIGHTS

- + 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



Most Diverse ENT Shaver Blades with Highest Precision

	Ø mm	Position	Angle	Length mm	REF
Full-radius resector 	2.5		Straight	105	5318
	3.5		Straight	105	5294
	3.5	Concave	15°	105	5300
	3.5	Convex	15°	105	5303
	3.5	Concave	40°	105	5306
	3.5	Convex	40°	105	5309
	3.5	Concave	60°	105	5312
	3.5	Convex	60°	105	5315
	4.0		Straight	105	5340
	4.0	Concave	15°	105	5350
	4.0	Convex	15°	105	5359
	4.0	Concave	40°	105	5352
	4.0	Convex	40°	105	5361
	4.0	Concave	60°	105	5354
	4.0	Convex	60°	105	5363
	4.5		Straight	105	5324

Aggressive Full-radius resector 	2.5		Straight	105	5322
	3.5		Straight	105	5295
	3.5	Concave	15°	105	5301
	3.5	Convex	15°	105	5304
	3.5	Concave	40°	105	5307
	3.5	Convex	40°	105	5310
	3.5	Concave	60°	105	5313
	3.5	Convex	60°	105	5316
	4.0		Straight	105	5344
	4.0	Concave	15°	105	5349
	4.0	Convex	15°	105	5358
	4.0	Concave	40°	105	5351
	4.0	Convex	40°	105	5360
	4.0	Concave	60°	105	5353
	4.0	Convex	60°	105	5362
	4.5		Straight	105	5330

STERILE



	Ø mm	Position	Angle	Length mm	REF
Triangular forceps	2.5		Straight	105	5320
	3.5		Straight	105	5296
	3.5	Concave	15°	105	5302
	3.5	Convex	15°	105	5305
	3.5	Concave	40°	105	5308
	3.5	Convex	40°	105	5311
	3.5	Concave	60°	105	5314
	3.5	Convex	60°	105	5317
	4.0		Straight	105	5342
	4.0	Concave	15°	105	5346
	4.0	Convex	15°	105	5355
	4.0	Concave	40°	105	5347
	4.0	Convex	40°	105	5356
	4.0	Concave	60°	105	5348
	4.0	Convex	60°	105	5357
	4.5		Straight	105	5328



Trimmer	2.5		Straight	105	5290
	3.5		Straight	105	5291
	4.0		Straight	105	5292



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



Shaver Blades for Rhinology

	Canula Ø mm	Position	Angle	Length mm	REF
Rhino Rose burr	3.5		Straight	130	5272
	3.5	Concave	15°	130	5273
	3.5	Concave	60°	130	5274



Rhino Cylinder Burr	3.5		Straight	130	5275
	3.5	Concave	15°	130	5276
	3.5	Concave	60°	130	5277



Rhino Diamond Burr	3.5	Concave	15°	130	5271
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STERILE



Hightorque micro saws for speeds 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

Hub: 2 mm

[3] OSCILLATING MICRO SAW

OMS 5000

The highfrequency 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°

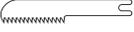
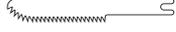
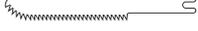


Micro saw Blades

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	5101nou
	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 up to 50,000 rpm

The slim handpieces are available in various lengths and as 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 in 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 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 	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 	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, wire pass, and spiral burrs for speeds of up to 80,000 rpm

	Head Ø	Shank length	Shank length	Shank length
	mm	70 mm, REF	95 mm, REF	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	Number of	Working length	Shank length	Shank length	Shank length
	mm	cutting edges	mm	70 mm, REF	95 mm, REF	125 mm, REF
Wirepass burr 	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 burr 	1.5	2	20.0	.	SD.095.015	.
	2.0	2	20.0	SD.070.020	SD.095.020	.

Electronicmotor 21 with 7.5 Ncm torque for Various Medical Applications

The Electronicmotor 21 by NOUVAG is a durable and powerful motor suitable for various medical applications. 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 a safe and controlled application with no undesired rotation. Experience the dependable and precise performance of the Electronicmotor 21 for exceptional medical interventions.





HIGHTORQUE // REF 2099NOU

- + Electronic motor 21 with anti-rotation feature
- + Motor speed of up to 50,000 rpm
- + Very high torque of up to 7.5 Ncm
- + Minimal vibrations

Accessories

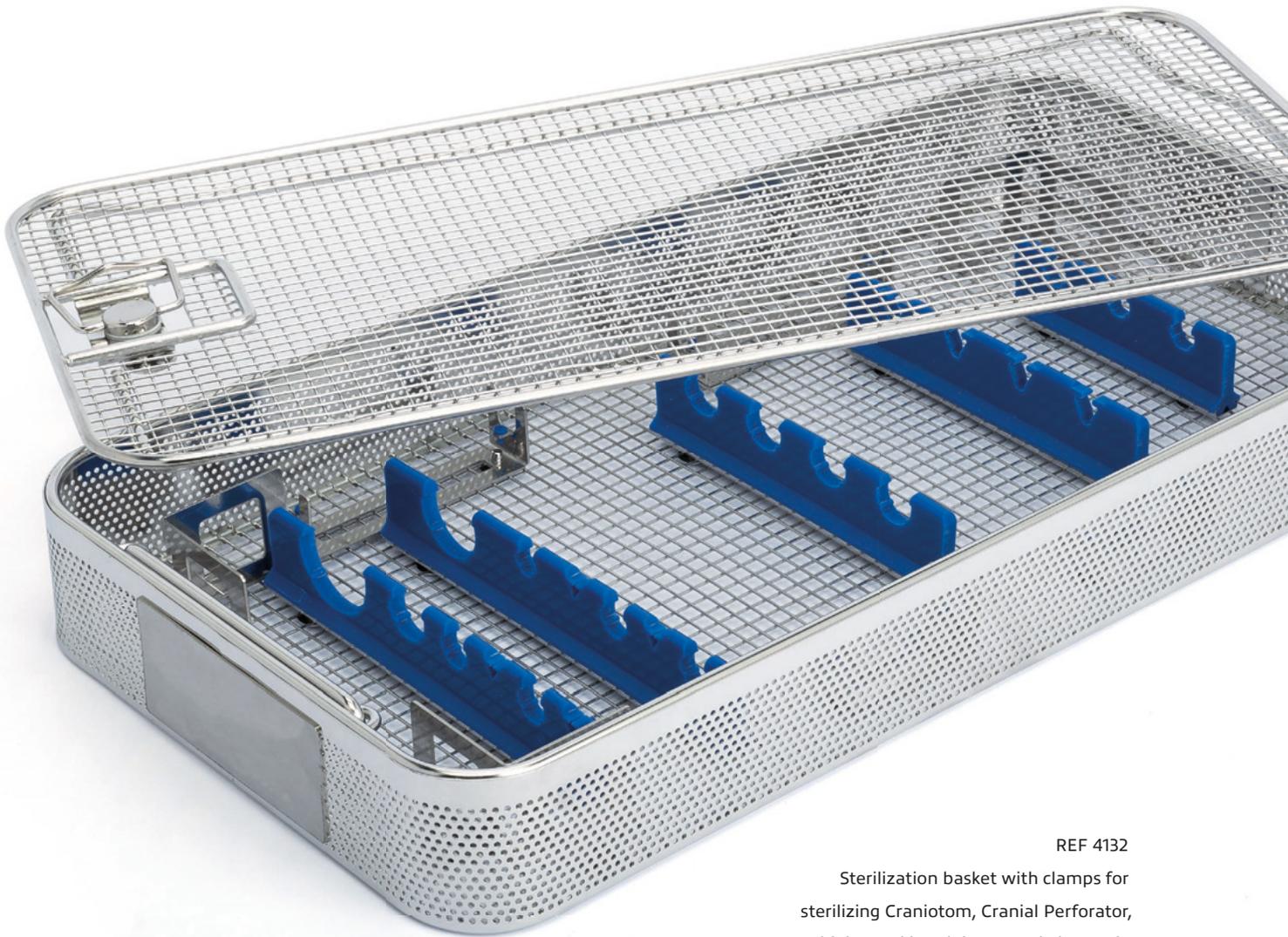
REF 1898

VEXIO Cart: Modern rolling cart with two shelves, lockable antistatic wheels, and an integrated cable channel for power supply with 3 outlets.

Optional REF 1894

Bottle holder





REF 4132
Sterilization basket with clamps for sterilizing Craniotom, Cranial Perforator, highspeed handpieces, and electronic motors (without contents);

Optional REF 4134
Cover for sterilization basket



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



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



REF 2128
Lubrifiuid maintenance and care spray, for maintenance during the reprocessing process

Technical Data

HighSurg 30		REF 3365
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.

Elektronikmotor 21		REF 2099nou 2098nou
Power consumption	120 VA	
Max. speed	300–50'000 300–80'000 U/min	
Max. torque	7.5 4 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	15,000 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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