



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



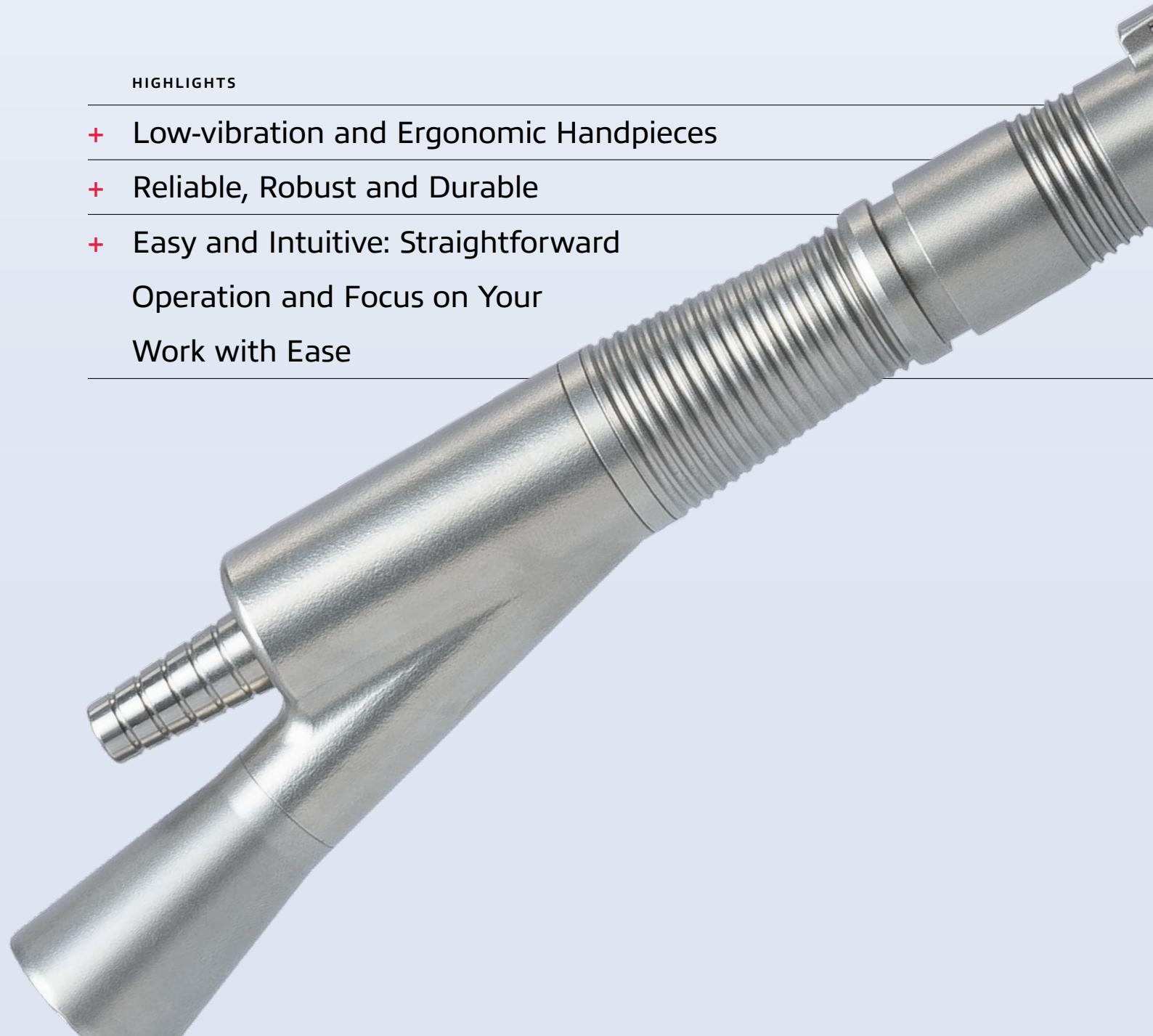
Swiss Reliability and User-Friendly Design: ENT Shaver Handpieces by NOUVAG

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.

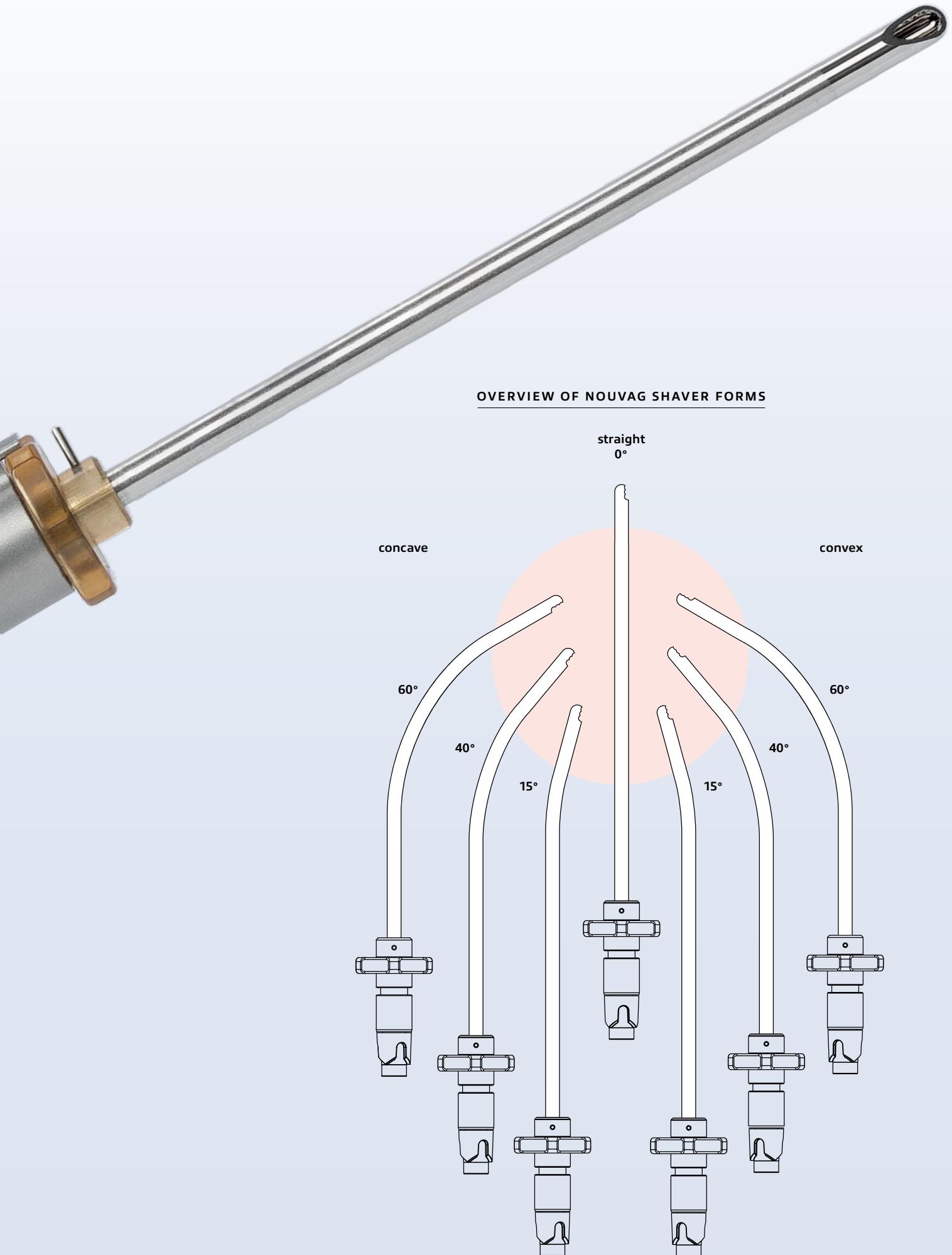
HIGHLIGHTS

- + 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 |

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 interosseous, with a rapid oscillation rate of 266 cycles per second. Its advanced design ensures optimal cutting performance and accuracy.

REF 5090nou

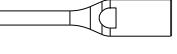
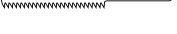
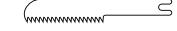
Weight: 140 g

Oscillation angle: 25°

Saw Blades for Micro Saws

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

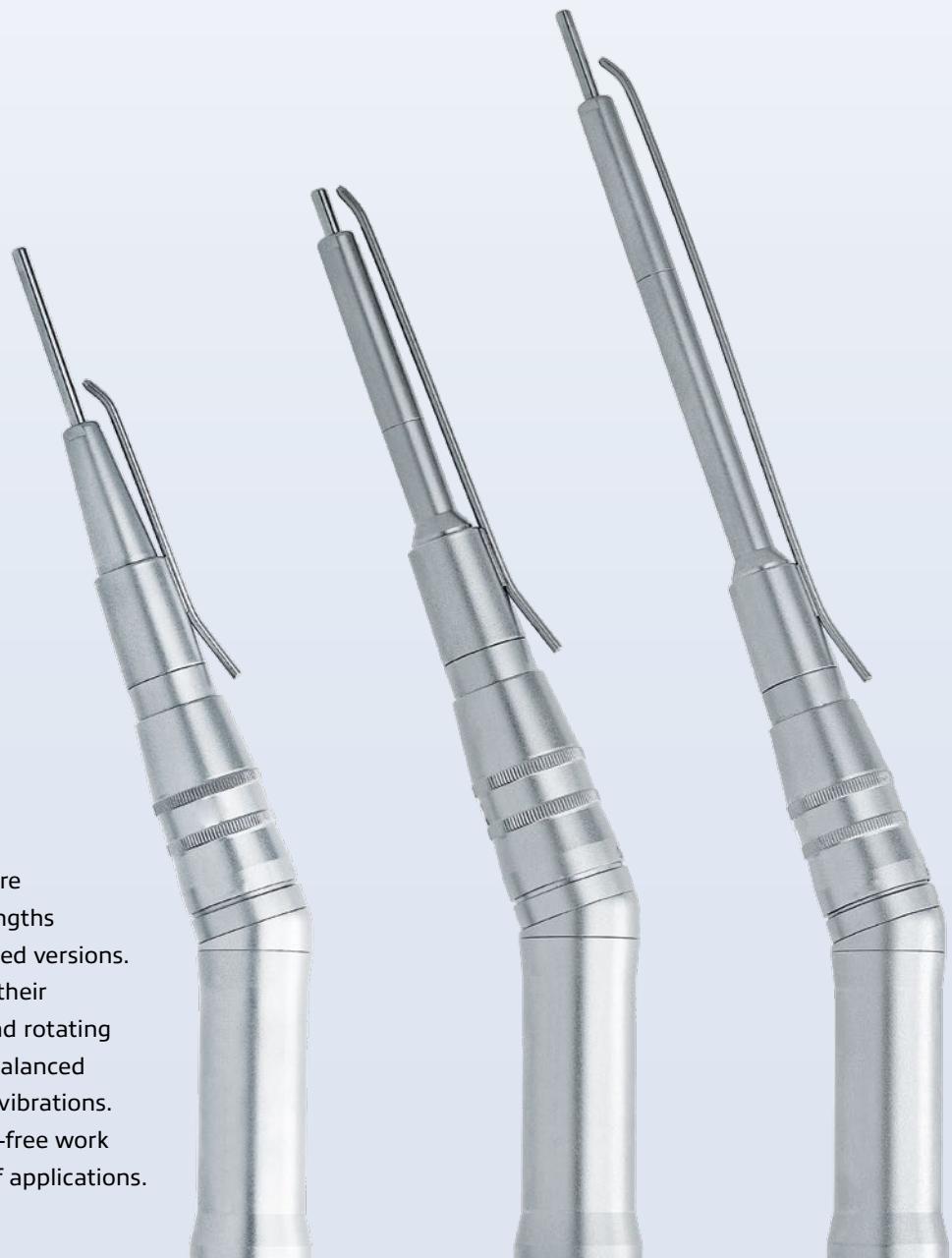
FOR [2] MICRO RECIPROCATING SAW // MSS 5000

| 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 | REF |
|---|---------------|------------------|-----------------------|-----------------------|----|----------|-------------|
| | | | | | | sterile | 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

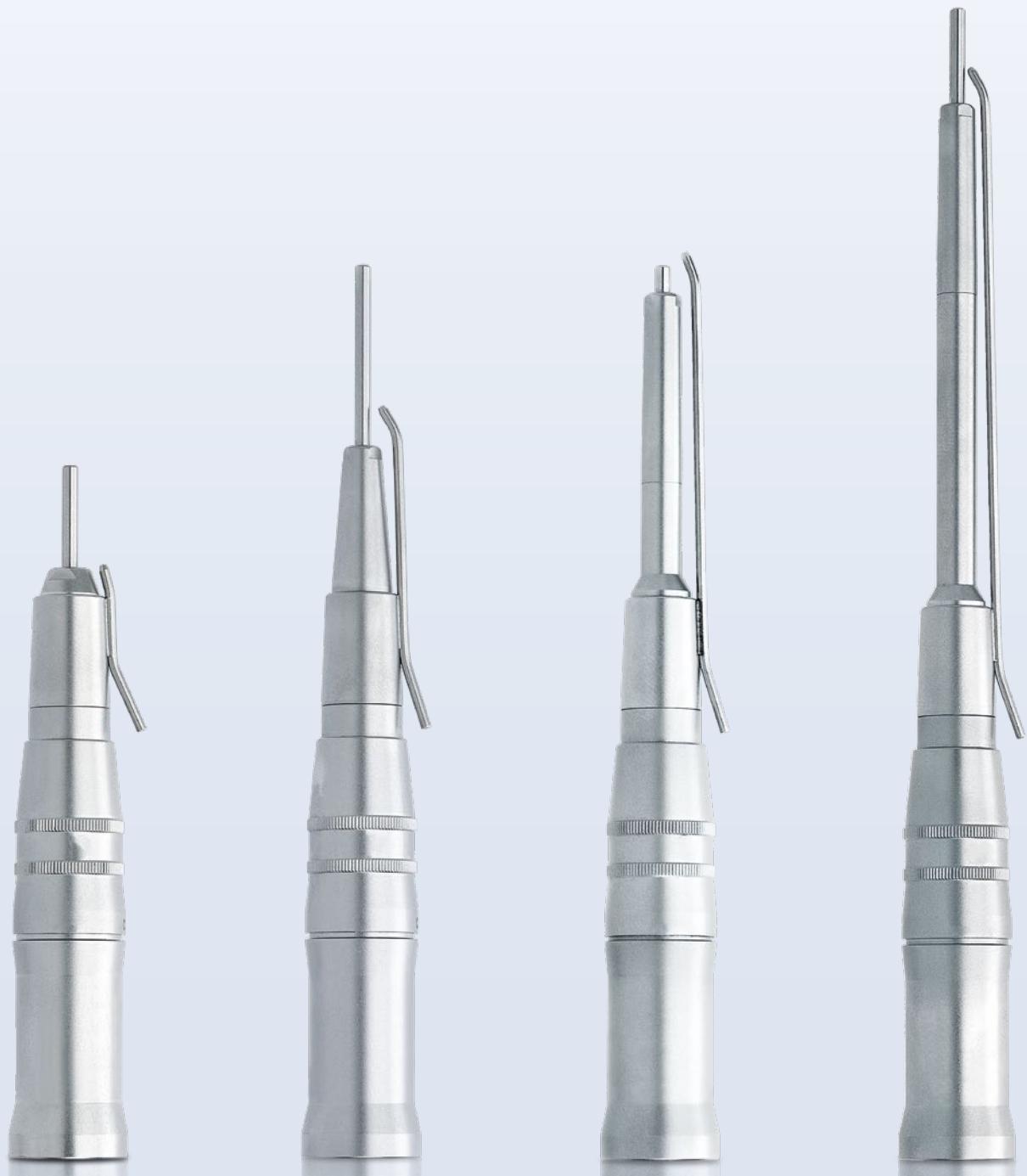
length: 95 mm

REF 1962nou

Weight: 120 g

Instrument

length: 125 mm



REF 1710nou

Weight: 80g

Instrument

length: 44 mm

REF 1950nou

Weight: 85g

Instrument

length: 70 mm

REF 1951nou

Weight: 85g

Instrument

length: 95 mm

REF 1952nou

Weight: 95g

Instrument

length: 125 mm

Highspeed Burrs for Speeds of Up to 80,000 RPM

| | Head Ø | Number of | Shank length | Shank length | Shank length |
|--------------------|--------|---------------|--------------|--------------|--------------|
| | mm | cutting edges | 70 mm, REF | 95 mm, REF | 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 | Shank length 70 mm, REF | Shank length | Shank length |
|--------------------------|--------|----------------------------|--------------|--------------|
| | mm | | 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 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 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 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 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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