



NEUROLINE PRODUCT CATALOGUE 2023

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STANDARD HANDPIECES ANGLED HANDPIECES SLIM ATTACHMENTS

About Us Q EMD PROFILE COMPANY HISTORY



32 NEUROSMART PERFORATOR HANDPIECE DISPOSABLE CRANIAL PERFORATORS REUSABLE CRANIAL PERFORATORS

> **Accessories** WASH-RINSE DEVICE STORAGE CONTAINER SERVICE OILING SPRAY

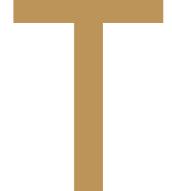




Attachments

Cranial Perforation









Be Ahead Of The Curve With Our Latest Innovations

WE ARE FAMILY OF MOTIVATED INDIVIDUALS, DRIVEN BY OUR DESIRE TO MAKE INNOVATIVE, EXCELLENT QUALITY MEDICAL PRODUCTS AVAILABLE TO MODERN MEDICINE IN A SUSTAINABLE WAY.

At EMD we offer quality design, production and services, that enable medical professionals to perform advanced minimal invasive operations.

Our carefully accumulated knowledge and expertise enable us to create singular tools and devices that medical professionals can use sustainably. To offer our customers the best of the best, our products are manufactured with meticulous care from high quality materials.

We are dedicated and passionate in everything we do. Through our performance and solution driven mindset, we have the opportunity to make a difference. We are innovation and business oriented with a strong belief in daring to do things better.



From CEO

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Everything we do is rooted in the belief that, together with our colleagues, teams and partners, we can create positive change to support modern medicine through our high-end products and services.

Each time before we embark on a new development, we have to make sure we possess the essential attributes that will fuel us to work for years to come for the very moment we first hold a new product in hand. These are: know-how, perseverance, proof and faith.

We've been working hard and have come a long way over the last 25 years. When EMD was founded in 1997, we were thinking about how we could design and manufacture minimal invasive medical devices. Since then, we've made such a progress as a team that today, however, we are thinking about how to become one of the best and most innovative companies in the industry.

We are proud of the progress we're making, and are ensuring that our expertise and competencies are essential elements of EMD's future that we will continue to embrace and grow."

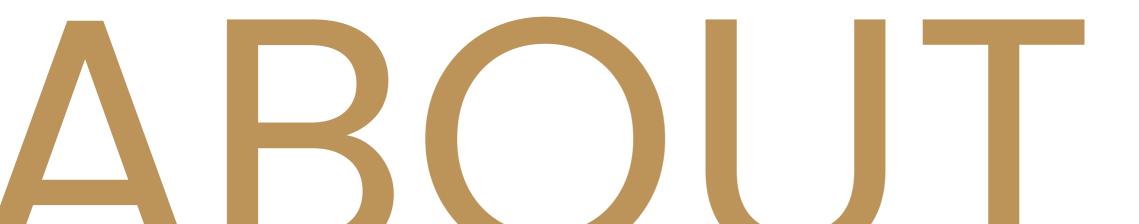






8 Product Catalogue

1997	EMD is founded as a re Main activity is repair o instruments.
2001	We launch our laparos development.
2005	EMD steps out of bein activities in various ma produce neurosurgery
2012	EMD relocates to new Company profile cont
2017	The company obtains laparoscopy developr
2021	Product portfolio is f product group receivi
2022	First product group g



repair service provider. r of endoscopic optics and endoscopic

oscopic system being first own product

ing a local supplier and starts export narkets. EMD begins to develop and ery devices.

w headquarters with more on site facilities. ntinues to expand.

ns CE approval for own neurosurgical and oment.

further increased by six additional EMD ving CE mark.

got FDA approval.



Our Vision

We believe in leading not following. We turn fault into our virtue and trust our nevercompromising nature dictating our rhythm, which takes us to innovative ideas and exceptional product developments.

We are convinced that possibility is bigger than the fear of failure. That is why we dare to dream big and are not afraid to be challenged on the way to success. Our vision is to be industry leaders in medical device development and manufacture.

Our Mission

OUR MISSION IS TO SUPPORT MODERN MEDICINE BY OFFERING ADVANCED, FIRST-CLASS QUALITY MEDICAL DEVICES.

Our Values

We like to walk our talk and lead by example. Our values are part of who we are, what we stand for and how we act.

Our great colleagues make the difference. It's when we share our skills, knowledge and expertise, we become one team.

We encourage and help each other to achieve our goals, while always having our customers' and their patients' best interest in mind.

Markets & Expansion

EMD is expanding, with a focus on multi-channel sales. We treat and nurture long term partnerships and business growth as one of our top priorities. We offer advanced and unique medical tools for minimal invasive surgeries that want to give professionals unbeatable value with the best combination of innovation, guality, price and sustainability.

When it comes to expansion strategies and activities, we spare no time to find the most prosperable opportunities we are able to find out there, that not only benefit us, but our partners too. With the continuous product developments we have been making recently, we are enthusiastic to be on the path greatly expanding our existing presence on the market.

Research & Development

Our network of medical professionals, together with the global industry needs and challenges set new directions to our developments.

Through our product developments, our priority is to effectively support surgical procedures, which are still very difficult or can only be performed with conventional surgery, so that they could be carried out with as few and little incisions as possible. In the near future, we continue to focus on minimal invasive developments and present new products for spine,neuro,- and laparoscopic surgery.

Innovative Solutions

Innovative product developments enable us to find and implement new technologic solutions, which are not yet in practice.

At the birth of a new idea, we start exploring ways of execution and won't stop until we find the right technology that can be applied for best results. This way, we are inspired to never stand still, we find new discoveries and are able to create that was thought impossible.

Professional Experience

NEUROSURGERY IS ABOUT PRECISION AND CAREFUL PLANNING. WITH THE BEST OF OUR KNOWLEDGE AND EXPERIENCE, IN CLOSE CO-OPERATION WITH MOST RENOWNED NEUROSURGEONS, WE OFFER OWN DEVELOPED, PATENTED PRODUCTS IN THE FIELDS OF CRANIAL AND SPINE SURGERY.

COMBINED WITH BRILLIANT IDEAS IN THE SERVICE OF NEUROSCIENCE.



TOUCH SCREEN FRONT PANEL

6 emd

> With its one-piece glass front panel, the NeuroSmart Control Unit was designed with medical hygiene and user practicality in mind.

The touch screen display offers easy handling and all-inclusive cleaning options.

The user-friendly menu navigation is further supported by intelligent High-Speed and Perforation mode detection.





Screen brightness is easily adjustable according to the needs of operating environment.

INTEGRATED IRRIGATION PUMP

During neurosurgical procedures, it is essential to ensure about proper cooling at surgical area. NeuroSmart Control Unit features integrated irrigation pump with variable flow control.

Choosing **Smart Solutions**

DESIGNED AND DEVELOPED ESPECIALLY FOR CRANIAL AND SPINE SURGERY, THE Neurosmart HIGH-SPEED MOTOR SYSTEM IS INTRODUCED AS TRUE FRONT-RUNNER OF ITS CATEGORY.

The intelligent, emd[®]-engineered NeuroSmart System recognizes whether a Perforator Handpiece or high speed Handpiece is connected to the motor.

At the same time as the Perforator Handpiece is connected by the user, the Control Unit automatically sets for its most optimal speed for emd[®]Cranial Perforators, preventing inappropriate speed starting. For maximum patient protection, speed drive is automatically optimized to ensure perforation starts at appropriate rpm. Therefore, with **NeuroSmart** High-Speed Motor System the risk of an accidental high speed start is completely avoided. When the adapter is disconnected, the control unit resets to latest speed use of High Speed Mode.

Maximum Safety. High Power.

- OUTSTANDING MOTOR PERFORMANCE OF 120W
- SPEED RANGE 10.000-80.000 RPM
- COST-EFFECTIVE SOLUTION ONE MOTOR OF ALL ATTACHMENTS
- AUTOMATIC HANDPIECE DETECTION FOR MAXIMUM SAFETY
- OPTIMAL SPEED SETTINGS
- INTEGRATED IRRIGATION PUMP WITH 10-DEGREE ADJUSTMENT
- TOUCH SCREEN DISPLAY FOR EASY HANDLING AND CLEANING
- ONE-CLICK CONNECTION OF SYSTEM ELEMENTS



AUTOMATIZED MODE SETUP

Connection and disconnection of the Perforator Handpiece results in an immediate, automatized change of user modes and display functions.

LIGHT/DARK **APPEARANCE**

The user has the possibility to switch between light and dark view modes at any point during procedure.



SMART & SUPERB POWERED MOTOR

Highly cost-efficient, due to its high-excursion motor power, the NeuroSmart High-Speed Motor by itself manages to drive the entire range of **emd**[®] Handpiece attachments at appropriate speed. Using One-Click Technology, the complete range of Hand,- and Nosepiece tools are easily connected to the motor by a single snapping movement.

Integrated bend relief to prevent cable torsion and increase protection of connection.

Standard Set Configuration



NSS-110 CONTROL UNIT

Weight: 5kg Device class: IIb Protection class: I

NSS-120

3m long connecting cable

Autoclavable Output power: 120W Device class: IIb

CABLE CONNECTED FOOTSWITCH

The combined Footswitch pedal is used to start/stop motor operation, while using the push button, rinsing mode is turned on/off.

The footswitch construction complies with IPX8 standard and is therefore easy to clean and disinfect.

Pedal and push button positioning delivers comfort even during longer user times.





DOUBLE FOOTSWITCH 4m long connecting cable

NSS-130

Waterproof Device class: IIb Standard IPX8

Power consumption: 300 VA Power Supply: 110-240 VAC; 50-60 Hz Irrigation capacity: 0-100ml/min.

HIGH SPEED MOTOR with integrated cable

Speed Range: 10.000-80.000 rpm

For more relating accessories of cleaning and maintenance see section Accessories

nart Motor System (olng

WE BELIEVE THAT Functionality And Design

EITHER WE ARE WORKING ON A NEW PRODUCT DEVELOPMENT OR WE ARE RETHINKING AN OLDER DESIGN, OUR TOP PRIORITY IS CREATING HIGH-END PRODUCTS THAT COMPLY WITH THE CHALLENGES OF THE TIME, BOTH IN TERMS OF FUNCTION AND USABILITY.

CREATE WORK OF ART.







EACH emd[®] HANDPIECE COLLECTION IS MADE OF STAINLESS STEEL, GUARANTEEING LONG PRODUCT LIFE. WITH THE SLEEKEST DESIGN ON THE MARKET, A CLEAN SHAPE AND SURFACE MAKES OUR CRANIOTOME HANDPIECE ESPECIALLY EASY TO CLEAN AND HOLD. THE ERGONOMIC PEN-GRIP SOLUTION ALLOWS COMFORTABLE USE AND A STABLE GRIP DURING OPERATION.

The One-Click Technology provides easy connection of the Craniotome Handpieces by simply snapping it to the motor.

Both the inserted craniotome cutter and duraguard are simultaneously locked in position with rotary knob. For greatest safety, starting of the motor is not possible until rotary knob is locked.

For more user support, duraguards and craniotome cutters are marked with size identifiers. Duraguards are available in fixed and rotatable configurations.

The range also includes additional models for special application areas. Eg. special head for craniotomy nearby the sinus or duraguards with *increased head* length for laminotomy.

Craniotome/laminotome heads with fix duraguard are also available with irrigation. The feature ensures a consistent low temperature during cutting.





NSH-331R

CRANIOTOME HEAD, L11 R Rotatable - Duraguard - Size 1 NLC-1T NLC-1ST



CRANIOTOME HEAD, L15 R Rotatable - Duraguard - Size 2 NLC-2T NLC-2ST

NSH-333R



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CRANIOTOME HEAD, L25 R Rotatable- Duraguard - Size 3 NLC-3T

NLC-3ST



NSH-334R LAMINOTOME HEAD, L35 R Rotatable - Protection Guard (max. speed 30,000 rpm) NLC-4T NLC-4ST

General Features 80,000 RPM (EXCEPT FOR LAMINOTOME) CRANIOTOME HANDPIECES ARE DESIGNED FOR BOTH ADULT AND PEDIATRIC SURGERY Gend[®] OFFERS THREE FOOTED DURAGUARDS; ONE LAMINOTOME HEAD; ONE SPECIALTY HEAD FOR SINUS QUICK AND EASY RELEASE CHUCK OF DURAGUARDS CRANIOTOME/LAMINOTOME HEADS WITH FIX DURAGUARD ARE ALSO AVAILABLE WITH IRRIGATION

NSH-332

NSH-320

CRANIOTOME HEAD

Fix - Without Duraguard

NI C-1T 3.5mm exposure NLC-1ST 3.5mm exposure NLC-2T 5.5mm exposure

NLC-2ST 5.5mm exposure

CRANIOTOME HEAD, L11

Fix - Duraguard - Size 1



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with Craniotome Head









NSH-332

NSH-331

NI C-1T

NI C-1ST

CRANIOTOME HEAD, L15 Fix - Duraguard - Size 2 Ise with cutters: NLC-2T NLC-2ST

NSH-333

CRANIOTOME HEAD, L25 Fix - Duraguard - Size 3 Use with cutters: NLC-3T NLC-3ST

NSH-334

LAMINOTOME HEAD, L35 Fix - Protection Guard (max. speed 30,000 rpm) NLC-4T NLC-4ST

PRECISELY DESIGNED EDGE CONSTRUCTIONS, DURABLE BLADES ARE THE MAIN FEATURES OF NEUROLINE CRANIOTOME CUTTERS.

AVAILABLE IN FOUR STANDARD LENGTHS TO FIT THE RIGHT SIZE DURAGUARD OR EVEN A SPECIAL CRANIOTOME HEAD.

THREE CUTTING BLADES DELIVER THE BEST PERFORMANCE BOTH FOR STRAIGHT AND TWISED MODELS.



NLC-1T

CRANIOTOME CUTTER, L11 Straight with 3 cutting edge - Size 1 NSH-331 NSH-331R

NLC-2T

() emd

NLC-1T

CRANIOTOME CUTTER, L15 Straight with 3 cutting edge - Size 2 NSH-332 NSH-332R

NLC-3T

CRANIOTOME CUTTER, L25 Straight with 3 cutting edge - Size 3 duraguard NSH-333 NSH-333R

NLC-4T

CRANIOTOME CUTTER, L35 Straight with 3 cutting edge - Size 4 NSH-334 NSH-334R



NLC-1ST

CRANIOTOME CUTTER, L11 Spiral with 3 cutting edge - Size 1 NSH-331 NSH-331R

NLC-2ST

CRANIOTOME CUTTER, L15 Spiral with 3 cutting edge - Size 2 NSH-332 NSH-332R

NLC-3ST

CRANIOTOME CUTTER, L25 Spiral with 3 cutting edge - Size 3 NSH-333 NSH-333R

NLC-4ST

CRANIOTOME CUTTER, L35 Spiral with 3 cutting edge - Size 4 NSH-334 NSH-334R

WE BELIEVE THAT Uncompromising Quality IS A MATTER OF HIGH EXPECTATIONS.

GUARANTEEING THE RELIABILITY OF AN emd® PRODUCT REQUIRES THE APPLICATION OF A MULTITUDE OF SKILLS. FROM THE PRECISE SELECTION OF RAW MATERIALS AND MACHINING TECHNOLOGIES TO THE COMPLEXITY OF PRODUCT CERTIFICATION, EVERY STEP IS TAKEN TO ENSURE THAT OUR QUALITY ITEMS MEET THE HIGHEST SAFETY STANDARDS FOR BOTH THE PATIENT AND THE SURGEON.





EACH emd[®] HANDPIECE COLLECTION IS MADE OF STAINLESS STEEL, GUARANTEEING A LONG PRODUCT LIFE. FEATURING A PURPOSEFULLY SLEEK DESIGN, THE CLEAN SHAPE AND SURFACE MAKES OUR STANDARD HANDPIECES ESPECIALLY EASY TO CLEAN. THE ERGONOMIC PEN-GRIP SOLUTION ALLOWS COMFORTABLE USE AND A STABLE GRIP DURING OPERATION.

The One-Click Technology provides easy connection of the Standard Handpieces by simply snapping it to the motor.

Both the inserted tool cutter and the handpiece are simultaneously locked in position with rotary knob. For greatest safety, starting of the motor is not possible until rotary knob is locked.

The special Tool Grasping Technology of attachments supports product selection and economic operation.







80,000 RPM

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STANDARD HANDPIECES ARE COMPATIBLE WITH BURRS Ø 2,3MM Features Iniform-sized adjustable exposure tool is compatible with ALL HAND, - AND NOSEPIECES OF NeuroSmart FAMILY





emd

NSH-416 STANDARD STRAIGHT HANDPIECE Working length 170mm, ø 5.5mm



NSH-417

STANDARD STRAIGHT HANDPIECE Working length 220mm, ø 5.5mm



Burrs With Benefits

USER-FRIENDLY AND COST-EFFICIENT HS TOOLS ARE AVAILABLE WITH THE MOST COMMONLY USED GEOMETRIES.

THANKS TO THE SPECIAL TOOL GRASPING TECHNOLOGY, ALL STANDARD AND ANGLED **emd**[®] NEUROLINE HANDPIECES ARE TO BE USED WITH UNIFORM-SIZED BURRS AND TOOLS.





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ONE SIZE. MANY APPLICATIONS.



EXPOSURE IN 8 POSITIONS

Desired tool length is easily adjustable according to user preferences.



EACH **emd**[®]HANDPIECE COLLECTION IS MADE OF STAINLESS STEEL, GUARANTEEING A LONG PRODUCT LIFE.

FEATURING A PURPOSEFULLY SLEEK DESIGN, THE CLEAN SHAPE AND SURFACE MAKES OUR SLIM HANDPIECES ESPECIALLY EASY TO CLEAN.

THE ERGONOMIC *PEN-GRIP* SOLUTION ALLOWS COMFORTABLE USE AND A STABLE GRIP DURING OPERATION.

SEVERAL NEUROSURGICAL APPLICATIONS REQUIRE MORE PRECISE ACCESS TO THE OPERATING AREA.

SLIM ATTACHMENTS ARE DETACHABLE MODELS OF AN ANGLED HANDPIECE AND SMALL BORE NOSEPIECES.

SLIM ATTACHMENTS ARE MAINLY USED IN SPINE SURGERY APPLICATIONS. ALL HANDPIECE AND NOSEPIECE COMBINATIONS ARE WELL BALANCED WHICH IS A GREAT BENEFIT DURING LONGER OPERATIONS.

> General Features

ATTATCHMENTS Slim



NSH-510 SLIM HANDPIECE Angled





LINEAR SLIM HEAD Working length 85mm, ø 4.7mm



NSH-522

LINEAR SLIM HEAD Working length 105mm, ø 4.7mm



NSH-523

LINEAR SLIM HEAD Working length 125mm, ø 4.7mm





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NSH-532

CURVED SLIM HEAD Working length 105mm, ø 4.7mm

NSH-533

CURVED SLIM HEAD Working length 125mm, ø 4.7mm

WE KNOW THAT **Patient Safety** STARTS AT ENGINEERING.

THE SKILL LEVEL OF A HIGH-SPEED MOTOR SYSTEM IS GIVEN BY THE VARIETY OF ATTACHMENTS AND THEIR EXTENSIVE FUNCTIONALITY. THE MAIN PRINCIPLES OF OUR CONSTRUCTION ARE SAFETY, ERGONOMICS AND SUSTAINABILITY.

PFRFORATI CRANIAI



EXPERIENCE THE DIFFERENCE A Handpiece Can Make.

WITH FULL STAINLESS STEEL FINISH, THE NEW GENERATION emd® PERFORATOR HANDPIECE TAKES CRANIAL PERFORATION TO THE NEXT LEVEL. A HIGHLY EFFICIENT YET EASY USE MADE POSSIBLE BY THE INTEGRATED SMART TECHNOLOGY.

The speed reducer features Automatic Trepan Mode recognition for the NeuroSmart Control Unit. Ergonomic handle for a comfortable, stable grip. Handpiece is available with Hudson end connection.

Thanks to the One-Click Connection, the Perforator Handpiece can be simply mounted on the motor. The perforator lock/release knob can be easily operated with the thumb.

The ergonomic handle is very comfortable to hold and its surface finish allows a secure grip.









1,000 RPM

General

emd[®] PERFORATOR HANDPIECE ACCEPTS HUDSON END CONNECTION Features of to be used with NeuroSmart HS MOTOR AND CRANIAL PERFORATORS FOR SKULLS 3.0MM AND 1.5MM THICK

Illustration of emd[®]Perforator Handpiece equipped with NeuroLine Single Use Cranial Perforator.

Illustration of emd[®]Perforator Handpiece equipped with NeuroLine Reusable Cranial Perforator.



NSH-210 PERFORATOR HANDPIECE Autoclavable

PERFORATION

CRANIAL



emd[®]NEUROLINE CRANIAL PERFORATORS WERE DESIGNED AND DEVELOPED TO PROVIDE MAXIMUM PERFORMANCE WITH MAXIMUM PATIENT SAFETY. THE INTEGRATED THREE-LEVEL SAFETY TECHNOLOGY IS PATENT PROTECTED AND OFFERS EXCLUSIVE DRILLING EXPERIENCE FOR THE USER.

EXCELLENT TIP CONTROL TO AVOID SKIDDING

The start of perforation is a critical point, the guiding tip of the drill ensures keeping the perforator exactly on the operation point to avoid skidding on uneven surfaces as well.

HIGH PERFORMANCE & CONSISTENT DRILLING QUALITY

Thanks to the specially developed edge design, the simultaneous movement of the drilling and cutting heads guarantees optimum results.

RESTARTABLE AT ANYTIME

The surgeon has the possibility to continuously supervise the perforation, as the device can be stopped and safely restarted anytime.

BONE PAD FORMATION

Cranial perforation is not a simple drilling, NeuroLine perforators form a bone pad at the end of the drilling process, which protects the dura.





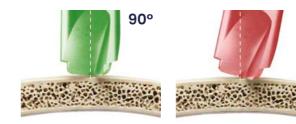


Product Versatility & Compatibility

PRODUCT RANGE OF **CMC**[®] NEUROLINE CRANIAL PERFORATORS GIVES A FREE CHOICE FOR THE CUSTOMER EITHER THEY PREFER SINGLE USE OR REUSABLE MODELS.

All our perforators are manufactured with universal Hudson end coupling.

Thanks to the standardized connection, compatibility is granted for the most commonly used medical high speed motordrill trepan adapters/speed reducers, which are equipped with standard Hudson chuck fitting.



To the ski

Explanation of Article Numbers by Size



NLM-11/14-3.0 NLM-B/A-C

(eg. for disposable perforator for thin bone)

bone) (eg. for perforat

(eg. for reusable perforator for thick bone)

A: DIAMETER OF PERFORATOR EXTERNAL DRILL PART • DIAMETER OF UPPER PART OF HOLE

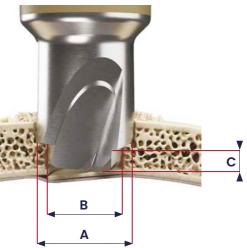
- B: DIAMETER OF PERFORATOR INTERNAL DRILL PART
 DIAMETER OF LOWER PART OF HOLE
- C: MINIMUM THICKNESS OF SKULL BONE REQUIRED FOR OPERATION OF PERFORATOR (OVERHANG OF INTERNAL DRILL PART ON EXTERNAL DRILL PART)





IMPORTANCE OF CORRECT POSITIONING

To ensure a safe and successful operation, maintaining the correct position (90°) of the perforator against the skull is crucial and must be remembered at all times when drilling is being performed.



Perforato Cranial NEUROLINE

WITH PATENTED TECHNOLOGY, DISPOSABLE CRANIAL PERFORATORS ARE FULLY DEVELOPED AND MANUFACTURED BY emd[®].

SAFETY BEING OUR TOP PRIORITY, SINGLE-USE PERFORATORS ARE EQUIPPED WITH THREE SAFETY SYSTEMS.

THE BUILT-IN SAFETY MECHANISM ALLOWS THE SAME PRESSURE TO BE APPLIED ON SOFTER AREAS AS WELL WITH SAME EFFICIENCY.

> emd Neurol 11/1 (E 1011

REF NLO-11/14-3.0 XXXX-YY TO

PATENTED

FOR USE ON SKULLS MIN. 3.0MM THICK

Disposable

NLO-7/11-3.0 CRANIAL PERFORATOR, SINGLE USE Disposable

NLO-9/13-3.0 CRANIAL PERFORATOR, SINGLE USE Disposable

NLO-11/14-3.0 CRANIAL PERFORATOR, SINGLE USE Disposable













NLO-6/9-3.0 CRANIAL PERFORATOR, SINGLE USE



NLO-6/9-1.5

CRANIAL PERFORATOR, SINGLE USE Disposable

NLO-7/11-1.5

CRANIAL PERFORATOR, SINGLE USE Disposable

NLO-9/13-1.5

CRANIAL PERFORATOR, SINGLE USE Disposable

NLO-11/14-1.5

CRANIAL PERFORATOR, SINGLE USE Disposable

OUR REUSABLE CRANIAL PERFORATORS WITH PATENTED TECHNOLOGY OFFER HIGHEST SAFETY FOR BOTH USER AND PATIENT.

WITH THE DEVELOPMENT OF THE REUSABLE PERFORATOR, WE AIMED TO CREATE SUCH A REUSABLE DEVICE THAT IS ENTIRELY CLEANABLE AND STERILIZABLE.

CONSISTING OF FOUR PARTS, PRODUCT ASSEMBLY AND DISASSEMBLY IS PARTICULARLY EASY. THE **emd[®]** *REUSABLE* CRANIAL PERFORATOR IS CURRENTLY THE ONLY CRANIAL PERFORATOR WITH SUCH PRODUCT FEATURES ON THE MARKET.

AVAILABLE WITH HUDSON CONNECTION.

FOR USE ON SKULLS MIN. 3.0MM THICK





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NLM-S2-6/9 HOLDER DEVICE Autoclavable Use with perforator NLM-6/9-3.0

NLM-S2-7/11 HOLDER DEVICE Autoclavable NLM-7/11-3.0

HOLDER DEVICE Autoclavable Use with perforator NLM-11/14-3.0

REPROCESSING MADE EASIER

NeuroLine Reusable Perforators are fully dismountable. To make the assembly and reprocessing easier, we developed a holder device for storage and sterilization.

Handling is made easy with the components' dedicated locations identified by pictograms. All cutting edges are protected, minimizing the risk of damage to inserted parts.



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NLM-6/9-3.0

CRANIAL PERFORATOR, REUSABLE Autoclavable available in set with Holder Device

NLM-7/11-3.0

CRANIAL PERFORATOR, REUSABLE Autoclavable available in set with Holder Device

NLM-11/14-3.0

CRANIAL PERFORATOR, REUSABLE Autoclavable available in set with Holder Device

NLM-S2-11/14



WE KNOW THAT Success Of An Operation

THE LIFE EXPECTANCY OF A HIGH QUALITY MEDICAL DEVICE DEPENDS ON BOTH THE ACCURACY OF MANUFACTURING AND THE CARE TAKEN IN ITS OPERATION AND REPROCESSING.

AS MANUFACTURERS, WE STRIVE TO OFFER SOLUTIONS FOR MEDICAL PROFESSIONALS TO ENSURE EASE OF USE, STORAGE AND STERILISATION.

RELIES ON THE TEAM BEHIND.



Accessories of Irrigation

TO KEEP THE OPERATION AREA COOL WE RECOMMEND TO CHOOSE A SUFFICIENT IRRIGATION METHOD.

USING THE INTEGRATED PUMP OF THE NEUROSMART CONTROL UNIT WITH THE SINGLE USE IRRIGATION TUBE SET ADAPTED ON THE HANDPIECE PROVIDES A COMFORTABLE SOLUTION.

THE REUSABLE IRRIGATION ADAPTER CAN BE EASILY AND SAFELY FIXED ON THE HANDPIECE. WIDE SELECTION IS AVAILABLE FOR THE ALL WORKING LENGTH RANGE.



NSI-610 IRRIGATION SET For NSH-4xx, NSH-5xx handpieces

For NSH-4xx, NSH-5xx handp made by ASSAmed GmbH / REF AMP.85.3000



NSI-641

STANDARD IRRIGATION ADAPTER, L25 Standard – Size 1 NSH-411 NSH-421

NSI-642

STANDARD IRRIGATION ADAPTER, L45 Standard – Size 2 NSH-412 NSH-422

NSI-643

STANDARD IRRIGATION ADAPTER, L70 Standard – Size 3 NSH-413 NSH-423

NSI-644

STANDARD IRRIGATION ADAPTER, L95 Standard – Size 4 NSH-414 NSH-424

NSI-651L

LINEAR IRRIGATION ADAPTER, L85 Linear – Slim – Size 1 NSH-521

NSI-652L

LINEAR IRRIGATION ADAPTER, L105 Linear – Slim – Size 2 NSH-522

NSI-653L

LINEAR IRRIGATION ADAPTER, L125 Linear – Slim – Size 3 NSH-523

NSI-611 FLUID BOTTLE HOLDER For NSS-110

NSI-645

STANDARD IRRIGATION ADAPTER, L120 Standard – Size 5 NSH-415 NSH-425

NSI-646

STANDARD IRRIGATION ADAPTER, L170 Standard – Size 6 NSH-416 NSH-426

NSI-647

STANDARD IRRIGATION ADAPTER, L220 Standard – Size 7 NSH-417 NSH-427

NSI-651C

CURVED IRRIGATION ADAPTER, L85 Curved – Slim – Size 1 NSH-531

NSI-652C

CURVED IRRIGATION ADAPTER, L105 Curved – Slim – Size 2 NSH-532

NSI-653C

CURVED IRRIGATION ADAPTER, L125 Curved – Slim – Size 3 NSH-533

The Importance Of **Product Care**

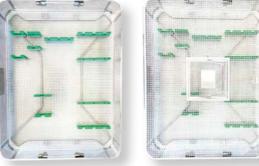
PROPER PRE-CLEANING IS ESSENTIAL TO PROVIDE EFFECTIVE STERILIZATION. THANKS TO OUR WASH-RINSE DEVICE ALL THE ATTACHMENTS ARE FULLY FLUSHABLE.

THE SYSTEM COMPONENTS CAN BE EASILY POSITIONED AND ITS USAGE ENSURES THAT THE INSIDE OF EACH COMPONENT IS PERFECTLY FREE OF CONTAMINATION.





emd ----





CHARGE OF THE LIFE CYCLE OF MEDICAL DEVICES CONTINUES BEYOND THE O.R.

Life expectancy of our tools and devices can be further extended by careful maintenance.

In our stainless steel Storage Container all system components can be perfectly overviewed. The specific silicone holders fix the system elements safely, granting stable position during the preprocessing.

> We strongly recommend using a synthetic Oiling Spray dedicated for cleaning and lubrication, as well as following our product specific instructions of use.



NSC-710

WASH-RINSE DEVICE

with cleaning connections for attachments Autoclavable

NSC-712 CERAMIC FILTER For NSC-710

NSC-720

OILING SPRAY 300ML Use for all handpieces

NSC-721

OILING SPRAY NOZZLE For NSC-720

NSC-730

INSTRUMENT TRAY with lid and silicon holders Autoclavable dimensions: 482mm x 246mm x 73mm $(L \times W \times H)$ For storage and sterilization

Notes



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