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SYMBOLS



LOT

General warning sign

Pieces per packaging unit

Manufacturer

Batch code



Not sterile at delivery



Date of manufacture



Catalog number



Importer



SN

Observe instructions for use

Autoclave at 134 °C

Serial number

C € 0197 CE symbol with notified body



Suitable for



thermal disinfection



Authorized representative in the European Community EC REP

INTENDED PURPOSE

(PU)

The rotary spinal milling cutters are applied in orthopaedics and traumatology, for example, with stenosis, degenerated vertebral discs or intervertebral disc hernias. With the rotary milling cutter intervertebral disks tissue, bony constrictions or functionally disturbing formations are scraped off.

CONTRA INDICATIONS

Special procedures at the spine, in which the use of motorized cutters represent too great of a risk, particularly the treatment of the central nervous system in spinal surgery. Relevant cases in the literature must be taken into consideration.

INTENDED USERS

Intended users are trained and qualified personnel, in professional settings (e.g. hospital, ambulatory).

AMBIENT CONDITIONS	TRANSPORT AND STORAGE	DURING USE			
Relative humidity	max. 90%	max. 80%			
Temperature	0°C-50°C	10 °C – 30 °C			
Atmospheric pressure	700 hPa – 1′060 hPa	800 hPa – 1'060 hPa			

SAFETY INFORMATION



The handpiece and accessories are supplied by us non-sterile. The handpiece and accessories must be cleaned, disinfected and sterilised before first use and immediately after each use!

Prior to using the product, before startup, and before operation, the user must always ensure that the product and accessories are in good working order and are clean, sterile and operational.

Improper use or repair of the product, or failure to observe these instructions, relieves NOUVAG from any obligation arising from warranty provisions or other claims.

The use of the product other than that for which it was designed is not permitted. The responsibility is solely carried by the operator



Manipulate the instrument only when the motor is at a standstill.

Never operate the clamping mechanism during operation or without a clamped tool or spacer pin.

The device shall only be operated by qualified and trained personnel. The handpiece may be operated up to a maximum of 20'000 rpm.

Do not clean the handpiece with compressed air!

For storage between uses, the spacer pin must be inserted into the handpiece.

OPERATION

INSERTING THE ROTARY BURRS



Only rotary burrs from the NOUVAG range may be used

The rotary burrs must be replaced after five uses due to wear.

When using the support sleeve with distal protection, bring it into the desired position before tightening the clamping nut.

Tighten the clamping nut firmly! Check that the burr head does not rub against the distal guard!



Insert the burr shank into the open collet chuck of the angled handpiece as far as it will go and close the collet chuck by turning the clamping sleeve.

Screw the clamping nut onto the angled handpiece to fix the support sleeve in place.

INSERTION FROM THE FRONT



BURR HEADØ



SUPPORT SLEEVE INNER Ø







INSERTION FROM THE BACK



HEAD Ø



SUPPORT SLEEVE INNER Ø





REPROCESSING INSTRUCTIONS



In relation to patients with Creutzfeldt Jakob disease or its variant (vCJK) no responsibility can be assumed for re-use of the handpiece. The Robert-Koch Institute recommends removing used products from circulation after use in order to avoid infecting other patients, users and third parties.

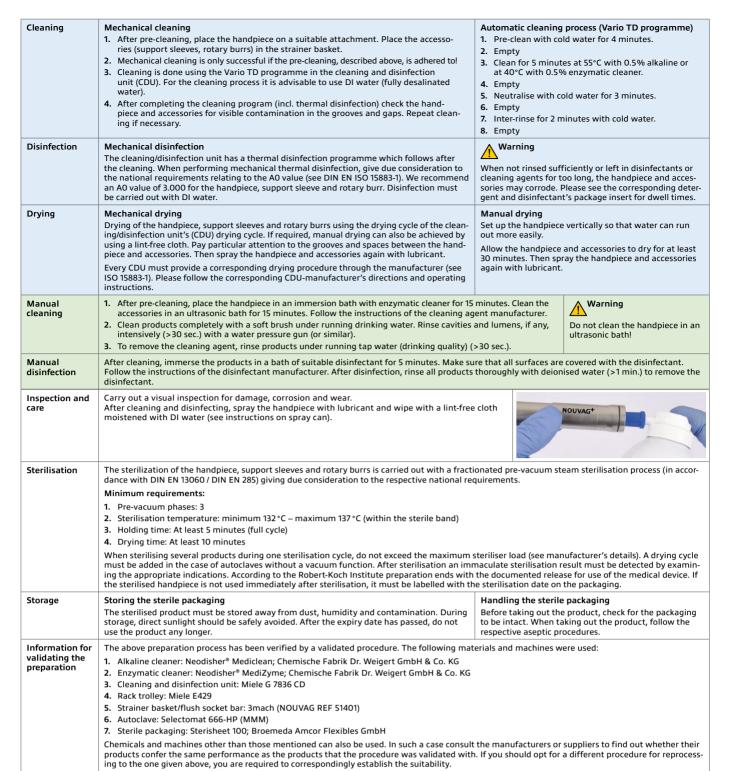


pre-cleaning

Never clean the handpiece in an ultrasonic bath! This impairs the functionality of the handpiece.

Reprocessing restrictions	Frequent reprocessing has little impact on the handpiece, support sleeve and rotary burr. The end of the product's service life is normally determined by wear and damage caused by use. The handpiece and support sleeves are designed for a maximum of 250 sterilization cycles. The rotary burrs are designed for a maximum of 5 sterilisation cycles due to wear and tear s.
General handling	 The handpiece, support sleeves, and rotary burrs must be thoroughly cleaned, disinfected, and sterilised before their first use (factory-new products) as well as immediately after each use. Only cleaned products can be properly sterilised! The handpiece, support sleeves, and rotary burrs must always be handled with the utmost care during transportation, cleaning,
	maintenance, sterilization, and storage.We recommend the use of mildly alkaline and enzymatic cleaners with as low a silicate content as possible to avoid staining (silicatization) on the handpiece and accessories.
	4. Only commercial grade DGHM-/VAH-listed agents may be used for cleaning and disinfection. See these agent manufacturers' specifications for the method of use, action time and suitability of disinfection and cleaning substances.
	5. Operating instructions for the equipment and chemicals etc. used during reprocessing must be strictly followed.
	6. Dosage of chemicals, exposure times and exposure temperatures for cleaning and disinfection must be strictly followed.
	7. The end of the product service life may be reached before the maximum 250 sterilization cycles have been reached in the case of excessive wear and damage caused by use of the handpiece and the support sleeves, and after less than 5 sterilization cycles in the case of the rotary burrs.
	8. Do not overload the washer. Avoid rinsing blind spots. Ensure secure storage in the machine.
	9. Observe the regulations valid in your country for the reprocessing of medical devices.
	10. NOUVAG recommends the use of a screen basket or small parts, a reusable container for convenient preparation and storage (including transport) of the products. The screen basket can be used for safe storage of the products during the rinsing process as well as during and after sterilization until the products are used. The screen basket is suitable for use with sterilization paper or a rigid sterilization container. It does not have a barrier effect on its own to protect sterility.
Preparation at the point of use	After surgery immediately remove blood, secretion, tissue and bone residue with a disposable cloth/paper towel, do not allow to dry! Dried residues cause corrosion.
Safe-keeping and transport	Contaminated products must be stored and transported to the preparation site in a closed container to avoid damaging the products and the contamination of the environment.
Cleaning and disinfection,	 Disassemble support sleeve rotary and burr from the handpiece and wash off visible dirt with water. Brush the handpiece and accessories under running tap water using a soft brush (e.g. Insitumend GmbH, REF MED100.33).

Rinse the outer surface of the handpiece and accessories for 10 seconds with a water pressure gun at a pressure of at least 2.0 bar (e.g. HEGA Medical, REF 6010 or REF 7060). Local tap water is sufficient for this purpose, since the last step is always a machine cleaning with deionized water, so possibly hard water with lime traces from the pre-cleaning cannot remain on the handpiece.





There is no experience available from conducting other sterilisation procedures such as plasma sterilisation, low temperature sterilisation procedure, etc. Users bear full responsibility if they use a procedure which differs from the validated sterilisation procedure described!



Please also comply with the applicable legislation in your country and the medical practice or hospital's hygiene rules. This especially applies to the varying requirements for an effective inactivation of prions.

MALFUNCTIONS AND TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION			
Support sleeve/rotary burr vibrates during use.	Support sleeve/rotary burr is not clamped correctly.	Insert the rotary burr into the collet chuck as far as it will go. Tighten the support sleeve lock.			
Milling result is unsatisfactory.	The rotary burr is worn.	Replace the rotary burr.			

ACCESSORIES AND SPARE PARTS SUPPORT SLEEVE DESCRIPTION REF INNER Ø OUTER Ø LENGTH HEADØ QUANTITY

1918nou	Support Sleeve, without protector, ø4.0×185 mm			185	3.2	4.0			1
1750nou	Diamond burr, round, ø5.0×225 mm						225	5.0	3
1751nou	Carbide burr, round, ø5.0 × 225 mm						225	5.0	3
1752nou	Carbide burr, conical, ø5.0×228mm						230	5.0	3
1753nou	Support Sleeve, without protector, ø3.5×232mm			232	3.0	3.5			1
1762nou	Carbide burr, round, ø3.0×270 mm						270	3.0	3
1763nou	Diamond burr, round, ø3.0×270 mm						270	3.0	3
1765nou	Carbide burr, round, ø3.5×270 mm						270	3.5	3
1764nou	Diamond burr, round, ø3.7×272mm						272	3.7	3
1748nou	Support Sleeve, without protector, ø4.0×232mm		▼	232	3.2	4.0			1
1749nou	Support Sleeve, with distal protector, ø4.0×240 mm	▼		240	3.2	4.0			1
1745nou	Carbide burr, round, ø3.0×270 mm	•	•				270	3.0	3
1746nou	Diamond burr, round, ø3.0×270 mm	•	•				270	3.0	3
1766nou	Carbide burr, round, ø3.5×270 mm		•				270	3.5	3
1747nou	Diamond burr, round, ø3.7×272mm		•				272	3.7	3
1916nou	Support Sleeve, without protector, ø3.5×316mm			316	3.0	3.5		-	1
1755nou	Carbide burr, round, ø3.0×354mm						354	3.0	3
1756nou	Diamond burr, round, ø 3.0 × 354 mm						354	3.0	3
1759nou	Carbide burr, round, ø3.5×354mm						354	3.5	3
1757nou	Diamond burr, round, ø 3.7 × 355 mm						355	3.7	3
1914nou	Support Sleeve, without protector, ø4.0×316 mm		▼	316	3.2	4.0			1
1915nou	Support Sleeve, with distal protector, ø4.0×323mm	▼		323	3.2	4.0			1
1737nou	Support Sleeve, with chamfered protector, ø4.0×325 mm	▼		325	3.2	4.0			1
1911nou	Carbide burr, round, ø3.0×354mm	• •	•				354	3.0	3
1912nou	Diamond burr, round, ø3.0×354mm	• •	•				354	3.0	3
1738nou	Carbide burr, round, ø3.5×354mm		•				354	3.5	3
1913nou	Diamond burr, round, ø3.7×355 mm		•				355	3.7	3
1784nou	Carbide burr, round, ø4.0×354 mm		•				354	4.0	3

POST MARKET SURVEILLANCE



If you have any complaints in relation to the use of the medical device. please contact the manufacturer immediately by e-mail complaint@nouvag.com or by phone.

In order to provide adequate information, please complete the complaint form:

Nouvag.com > Contact > Complaint Form.

MANUFACTURER AND SERVICE POINTS



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