

Contra angle with spinal burr

OPERATING INSTRUCTIONS



NOUVAG®
Dental and Medical Equipment

No. 31692 11/11

GB Safety measures



- The instrument is delivered unsterilised! Before using for the first time and after each use the contra angle must be cleaned, disinfected and sterilised!
- Do not clean the contra angle with compressed air!
- Only run the contra angle with the rotational milling cutter fixed!
- Manipulations of the instrument must never be carried out when the motor is running, danger of injury!
- The contra angle may only be used by proficient and trained personnel!
- The contra angle may only be operated up to 20'000 rpm!
- Without the rotational milling cutter fixed the collet chuck must not be stored for extended periods in the on position!
- Rotational milling cutters must only be used in the endoscope's working channel to ensure adequate guidance and control of the cutting head! Caution, risk of injury!
- Improper use of the instrument, as well as non-observance of our instructions release us from all guarantees and any other claims!

GB Device symbols



1275:EU- conformity symbol



: Autoclavable up to max. 135°C



: suitable for thermal disinfection

GB Spare parts

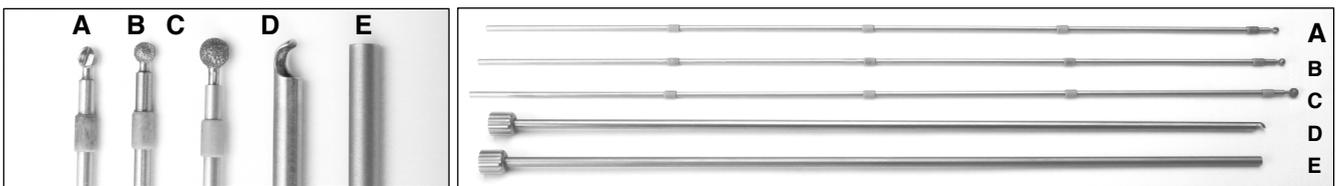
	Art. No.	Description	Units
	1911	Spinal burr, 3 mm head diameter, 2,35 mm shaft diameter	3 pieces
	1912	Diamond spinal burr, 3 mm head diameter, 2,35 mm shaft diameter	3 pieces
	1913	Diamond spinal burr, 4 mm head diameter, 2,35 mm shaft diameter	3 pieces
	1914	Open support sleeve	1 piece
	1915	Support sleeve with distal protector	1 piece
	1940	Cleaning needle	1 piece
	1882	Bottle of oil	1 piece
	1984	Nou-Clean Spray	1 piece
	1958	Nozzle for Nou-Clean Spray	1 piece

GB Operation



- Only Richard Wolf rotational milling cutters in the product line named here may be used!
- We recommend that the rotational milling cutter be replaced at the most after 3 uses (wear and tear).
- The milling cutter must never be detached with the motor running.

Use of rotational milling cutters



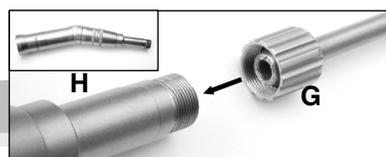
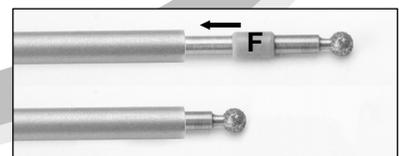
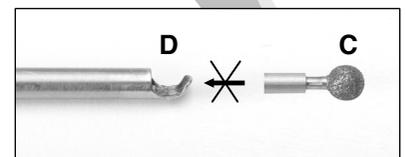
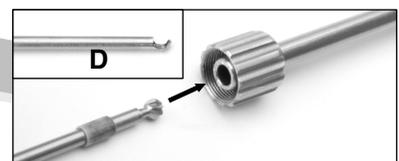
- 1) Insert milling cutters (A, B or C) into the support sleeve (D or E)
 - with the support sleeve (E) insert milling cutter from the front
 - with the support sleeve with distal protection (D), insert milling cutter from behind
 - Exception: because of the larger milling head (Ø 4mm) the spherical cutter (C) cannot be used on the support sleeve with distal protection (D).

➔ **NOTE:** The rotational milling cutter must be pushed in until the front most bearing (F) is in the support sleeve.

- 2) Introduce the milling cutter shank into the open collet chuck of the contra angle as far as it goes and close the collet chuck through torsion of the contra angle (H).
- 3) Screw down the tension nut (G) on to the contra angle (H) and fix the support sleeve (D or E) with it.

➔ **NOTE:** When using the support sleeve with distal protection (D) put this in the desired position before the application of the tension nut.

➔ **NOTE:** Tighten tension nut (G)! Check that the milling cutter does not rub on the distal protection (D)!



GB Maintenance

Restrictions on repeated preparation	Frequent but careful preparation will have little effect on the lifetime of the contra angles and rotational milling cutters. The end of the products' lifetime will normally be determined by wear and damage while being used and treatment.
INSTRUCTIONS	
In place of use	Remove superficial soiling with a disposable towel / paper towel.
Storing and transport	No particular requirements. Avoid long waiting periods before preparation because of the danger of surface drying and corrosion; max. time span between use and preparation 8 hours.
Preparation for cleaning	Unscrew support sleeve and unclamp milling cutters. Remove any surface soiling of the contra angle, support sleeve and milling cutters with a disposable/paper towel. Further dismantling of the contra angle is not necessary. Place all parts into certified disinfectant max. 15 minutes. Do not put the parts in an ultrasound bath. * Refer to RKI disinfectant list (Robert Koch Institute).
Automatic cleaning and disinfection	Equipment: Cleaning/disinfection equipment with special load carrier, which ensures the connection of the handpieces to the cleaning/disinfecting equipment and the irrigation of the channels. Wash the contra angle from the reverse side. Use an RKI*-certified neutral or alkaline cleaning agent in the recommended concentration. 1) Load the contra angle, support sleeve and milling cutters in the load carrier (irrigation of the channels must be ensured). 2) Set the automatic cleaning cycle. Carry out the last rinsing cycle with fully desalinated water. 3) Carry out a 10-minute rinse cycle (disinfection) at 93° C to ensure a thermal disinfection. 4) When taking the pieces out, check to see whether there is still any dirt in the grooves and interstices. If necessary, repeat the cycle or clean manually.
Manual processing	Equipment: RKI*-certified neutral cleaning agent, soft brush, flowing demineralised water (max. 20° C) Procedure: 1) Rinse and brush surface soiling from the contra angle, support sleeve and milling cutters. 2) Inlay the contra angle in cleansing agent. For hollow bodies use a suitable brush, with which the whole of the internal lumen can be reached. 3) Rinse the contra angle, support sleeve and milling cutters thoroughly in running water.
Drying	If there is no drying programme available in the cleaning/disinfecting equipment then the contra angle including the support sleeve and the milling cutters must be dried manually or in a hot-air cabinet at 60°C.
Checking and maintenance	Carry out visual inspection for damage, corrosion and wear. After cleaning and disinfecting the contra angle spray it through with Clean Spray and then wipe it down with a damp cloth (see instructions on spray can). Then reclamp the milling cutters and attach the support sleeve. - Check rotating components for slight mobility
Packaging	Individually: pack the contra angle in sterilised individual packing. The packet must be large enough for the sealing not to be under any pressure. Sets: Sort the contra angles into suitable trays or pack them in soft packaging.
Sterilisation	Carry out steam sterilisation at max. 135°C during 5 minutes with a fractionated vacuum procedure. For autoclaves without a post-vacuum process, a drying phase must be carried. If sterilisation packaging (paper/film) is used, it must dry at room temperature with the paper side up for at least 1 hour.
Storage	No particular requirements. If after sterilisation has taken place the sterilised contra angle is not to be used immediately, then the sterile indication and date should be written on the packaging.

The instructions given above have been deemed suitable for the preparation of a medical product for its re-use. It is the responsibility of the person carrying out the preparation that the preparation actually carried out with the equipment, materials and personnel in the preparation installation achieves the desired results. This normally requires validation and routine monitoring of the procedures. In the same way, if there is any deviation from the instructions provided then the person responsible for the preparation must carefully assess its effectiveness and any possible detrimental consequences.

GB Troubleshooting

MALFUNCTION	CAUSE:	REMEDY:
Motor is running but the milling cutter doesn't move	Contra angle not properly connected to the motor.	Push the contra angle hard against the motor until it locks into place. Test seating with a slight pulling movement.
Milling cutter does not run evenly.	Milling cutter not properly clamped on.	Set the milling cutter and firmly tighten the collet chuck
Contra angle is noisy	Ball bearing is dirty or needs oiling.	Spray contra angle through with Clean Spray

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**For all NOUVAG-Service Centers worldwide please check
www.nouvag.com**

If you require service, repairs or replacement parts, please contact the dealer or representative for your country.

Disposal:

When disposing of the device, device parts and accessories, the enacted requirements specified in legislation must be followed.