

E-type Contra Angle Handpiece

Prophylaxis Handpiece

CGM-S64 / CGM-S72 / CGM-KS1 / CGN-S64 / CGN-S72 / CGN-KS1

EC-20PS / EC-50PS / EG-20PS / EG-50PS / ECN-20PS / ECN-50PS / EGN-20PS / EGN-50PS

EC-20PK / EC-50PK / EG-20PK / EG-50PK / ECN-20PK / ECN-50PK / EGN-20PK / EGN-50PK

EC-S72 / ECN-S72 / EG-S72 / EGN-S72



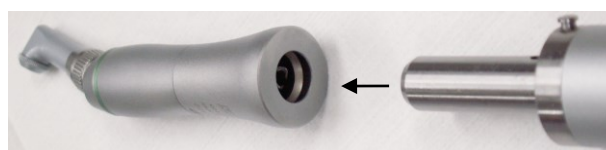
⚠ This product is designed for dental use. Its operation and maintenance should be done under dentist's supervision.

SPECIFICATION:	Gear Ratio	EC- , ECN- , EG- , EGN- , CGM- , CGN	: 1 to 1 of Motor rotation : 4 to 1 of Motor rotation : 4 to 1 of Motor rotation
	Applicable Brushes/Cups	-20PS, -50PS, -S64 -S72 -20PK, -50PK, -KS1	: SCREW IN TYPE (1-64) : SCREW IN TYPE (ISO, 1-72) : SNAP ON TYPE
	Coupling		: ISO standard (E-type)
	Sterilization		: 135°C autoclave for 15min.

HOW TO USE:

1. Coupling with Motor

Push the motor nose into the sheath of Handpiece all the way until the stopper of Airmotor is properly hooked in the inside groove of Handpiece. Verify proper coupling by pulling the Handpiece and the Airmotor. (Fig. 1)



(Fig. 1)

2. Brushes / Cups Change

SCREW IN TYPE

Screw the thread of brush or rubber cup, in clockwise at the face of handpiece.

(Fig.2)

Please screw in all the way to the end, as in Fig.3.



(Fig. 2)

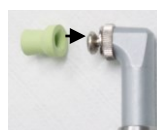


(Fig. 3)

SNAP ON TYPE

Snap rubber cup on the face of handpiece. (Fig.4)

Please push rubber cup, without being twisted, in all the way to the end, as in Fig.5.



(Fig. 4)



(Fig. 5)

3. Operation

Use with running below 3,000rpm. Run motor by forward rotation only.

DAILY CHECK

Every time prior to its use, please check handpiece on the points followed,

1. Holding Brushes or Cups Change / 2. Connection between head and sheath / 3. Abnormal noise, vibration, heat generation / 4. Connection with a motor / 5. Deform, Damage

⚠ When any abnormality is detected on daily check or use, immediately stop its operation, and have the handpiece checked by us.

MAINTENANCE

⚠ To keep Handpiece under good condition, lubricate oil for dental Handpiece should be used.

1. Lubrication

• Before autoclave	: Every time	• After Cleaning	: Every time	• After use	: Every time
Be sure to lubricate before autoclave, and in the case that water and/ or dust gets inside. Spray lubrication could also make inside cleaning. It should be done twice each time. Spray lubricate oil at the back of sheath of Handpiece. (Fig. 6)					



(Fig. 6)

⚠ Without being held firm by hand, Handpiece could be pushed away by air-pressure of spray. Accidental drop of the equipment could cause damage on it.

⚠ Do not lubricate handpiece with cup or brush attached.

2. Surface Cleaning

Clean with brush and wipe off by cloth. Lubrication should be done every time after surface cleaning. Although it has effect to apply a little alcohol on the cloth, excessive amount, by seeping inside Handpiece, could take off the lubricate oil on ball-bearing. In that case, lubricate again.

⚠ Do not place handpiece into any chemical liquid such as disinfectant.

3. Inside Cleaning

Take the same steps with the process of spraying lubricate oil. Operate trial run at low speed every after lubrication. In order to drive dirt out of nose, repeat the process at least twice. Do the cleaning once a day.

4. Cleaning Internal Gears

Grasp the knurled part of the head cap with the pliers and turn pliers clockwise. Remove the stainless steel head gear. Examine the oil hole to make sure it is not clogged. Clean all parts. Reassemble by first inserting the head gear. Attach cap and turn cap counterclockwise with your fingers checking for smooth rotation. Using pliers, tighten cap turning counterclockwise.

5. Cleaning by thermo-disinfectant

CGM-, CGN- model can be cleaned by Miele PG 8591. When the unit is used, please use handpiece-holder and follow the instruction below ;

- Please pay attention not to have handpiece hit other items during the cleaning process,
- Please completely dry handpiece after the cleaning process, and spray oil.

STERILIZATION

△Do not put Handpiece through ultrasonic disinfection solution cleaning procedure. Do not use cold sterilization or dry heat.

1. Clean with brush and wipe off by cloth. Refer to the section, Maintenance, 2. Surface Cleaning.
2. Lubricate with Spray. Refer to the section, Maintenance, 1. Lubrication.
3. Place handpiece in sterilization pouch. Autoclave at the temperature 134-137°C(2Mpa) for 15min.
4. Leave handpiece in the sterilization pouch stand till excessive oil inside flows out.

△Do not operate Autoclave dry cycle at the temperature higher than 135°C

WARNING

1. Do not drop Handpiece nor apply excessive force or impact on the bur connected. Warranty is invalid for the trouble caused by those acts. (Prevent the bur on Handpiece from hitting others in time of autoclave.)
2. When water gets inside the Handpiece, lubricate more than three times.

REPLACEMENT PARTS

1. Replacement Head

MODEL No.	Replacement Head Item #	MODEL No.	Replacement Head Item #
EC-20PS / EG-20PS	EH-20PS	EC-20PK / EG-20PK	EH-20PK
ECN-20PS / EGN-20PS	EHN-20PS	ECN-20PK / EGN-20PK	EHN-20PK
EC-50PS / EG-50PS	EH-50PS	EC-50PK / EG-50PK	EH-50PK
ECN-50PS / EGN-50PS	EHN-50PS	ECN-50PK / EGN-50PK	EHN-50PK
CGM-S64	EHM-S64	CGN-S64	EHN-S64
CGM-S72 / EC(G)-S72	EHM-S72	CGN-S72 / EC(G)N-S72	EHN-S72
CGM-KS1	EHM-KS1	CGN-KS1	EHN-KS1

2. How to change head

- ① Unscrew pouch nut and remove head. (Fig.7)
- ② Match teeth of head and sheath each (Fig.8), and screw pouch nut tight. Check the head is securely fixed.
- ③ Please change head once every year.



Fig. 7

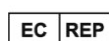


Fig. 8

WARRANTY

Trouble, which occurs due to material defect or despite with correct use as the instruction manual states, during the period specified below, is covered under warranty by the manufacturer. Quality deterioration caused by drop of Prophy Angle Handpiece will be excluded from warranty coverage.

Prophy Angle Handpiece: 6 months / Spare Head: 3 months



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