



Coupling

NL11Ti • NL10Ti • N10Ti

OM-TR355E

Please read this operation manual carefully and file for future reference.

 **Caution**

- When operating the product always consider the safety of the patient.
- The product is designed only for clinical dental use by qualified personnel.
- Do not attempt to disassemble the product or tamper with the mechanism unless replacing the bulb (NL10Ti).
- Do not wipe with, clean or immerse in high acid water or sterilizing solutions.
- Do not allow any impact on to the product. Do not drop the product.
- Do not connect or disconnect the hose or handpiece until the device has completely stopped.
- Refer to the operation manual of the hose and handpiece for connection instructions.
- Do not attempt hydrothermal cleaning or rinse the device in water.
It may cause malfunction or electric shock.
- Ensure clean, dry air supply. Moisture and debris in air supply may cause the device to malfunction.

1. Specifications

Model	NL10Ti	NL11Ti	N10Ti
Handpiece Type	Brasseler NL Coupling		
Hose Type	ISO9168 Type 3 (6 Pin)	ISO9168 Type 2 (5 Hole)	ISO9168 Type 2 (4 Hole)
Light	Bulb	Glass Rod	Non Optic

* For lighting power, follow the EN60601-1, Voltage has to match SELV
(Safety Extra Low Voltage)

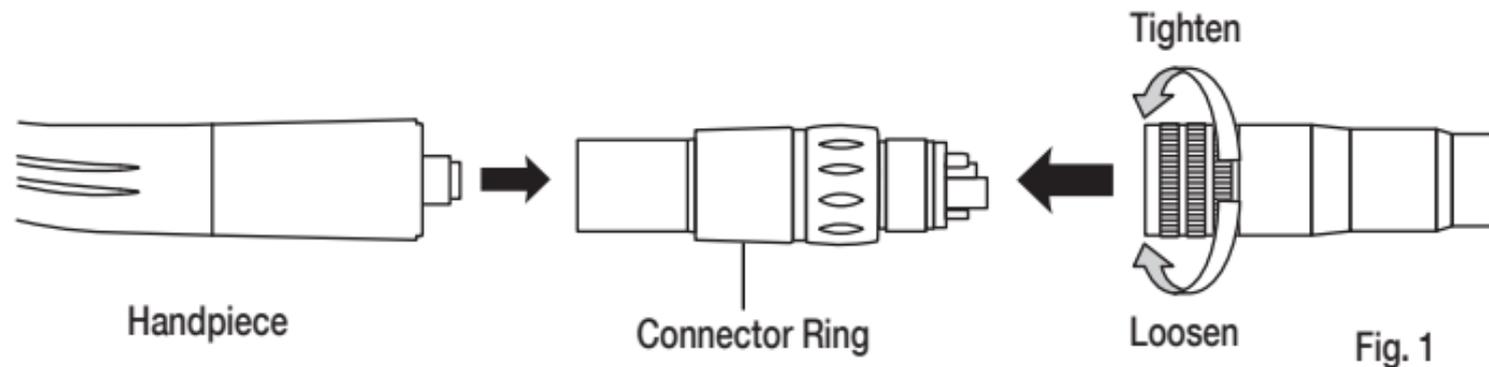
2. Features

- Stainless Steel Body
- Titanium Coating
- Swivel, Disconnect Couplers
- Utilizes a Non-Retraction Valve to prevent the water back flow into the delivery unit.

3. Setting

1) Connecting

To connect, align and insert carefully and firmly the pin of the coupling into the pin holes of the hose, and fasten the hose nut securely. (Fig.1)



2) Disconnecting

- 1) Pull back the connector ring and gently remove the handpiece from the coupling.
- 2) Loosen the hose nut and gently pull out the hose.

 **Caution**

Ensure the handpiece is attached tightly and properly to the coupling.
DO NOT pull the connector ring while air is supplied.
If the Connector Ring is pulled during air pressure supply, handpiece may fly off.

4. Coupling Cap

1) Connecting

To connect, align and insert carefully and firmly the pin of the Coupling cap into the pin holes of the coupling, and turn the ring until you hear the noise “Click”.

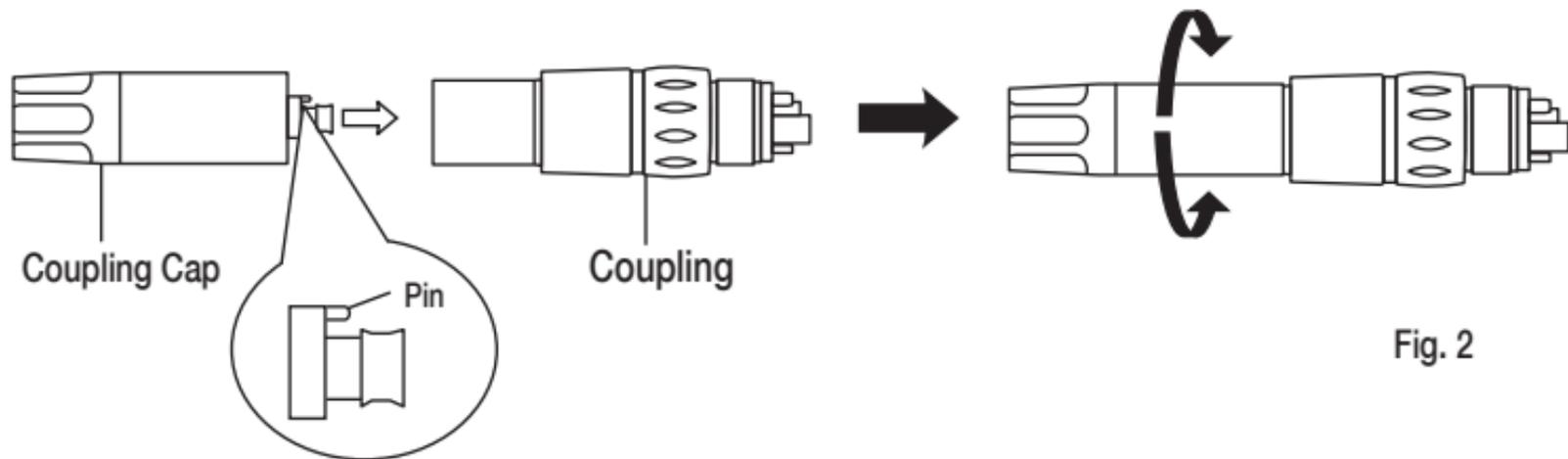


Fig. 2

2) Using the Coupling Cap

Dust Cover

When removing the handpiece from the coupling for sterilization of the handpiece, the inside of the coupling can be exposed to various germs. Use the cap to prevent dust and debris from entering into the coupling

Wrench

Use Wrench to help remove the coupling from the hose.

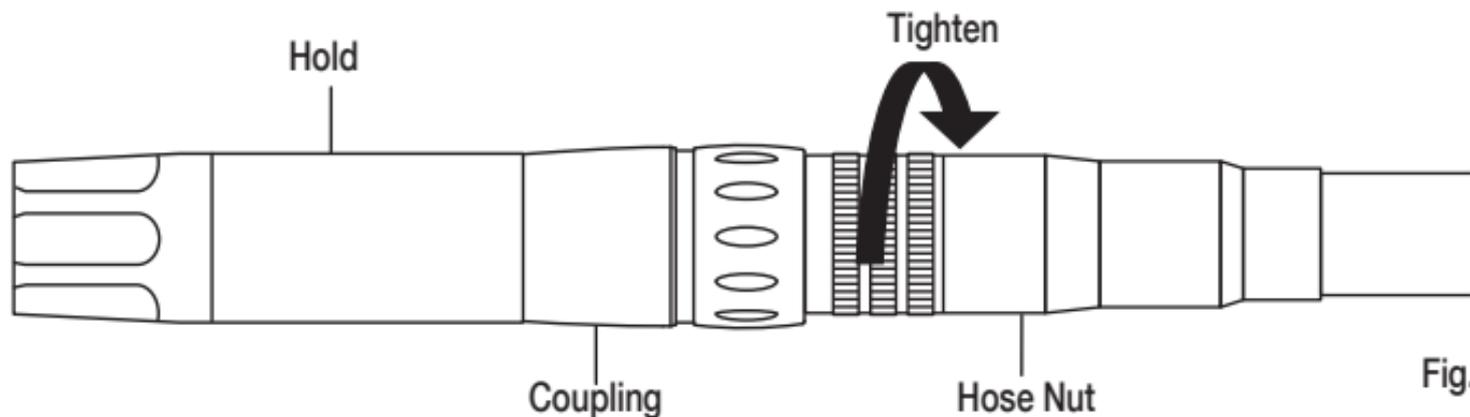


Fig. 3

5. Replacing the Light Bulb (NL10Ti Coupling Only)

- 1) Use the coupling cap to remove the coupling from the tubing.
- 2) While holding the coupling cap, rotate the coupling cap in the direction of the arrow to loosen. (Fig. 5)
- 3) Remove the old light bulb from the housing. Align and insert the connector of the new replacement bulb into the housing securely.
- 4) While holding the coupling cap, rotate the coupling cap in the opposite direction of the arrow to tighten.

*Replacement Bulb Set : Order No. 5010051U0 (Set consist of 3 pieces)

! Caution

DO NOT touch the glass section of the new bulb

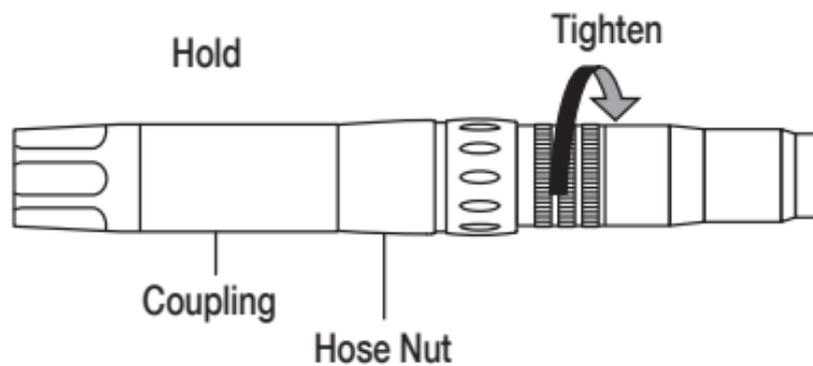


Fig.4

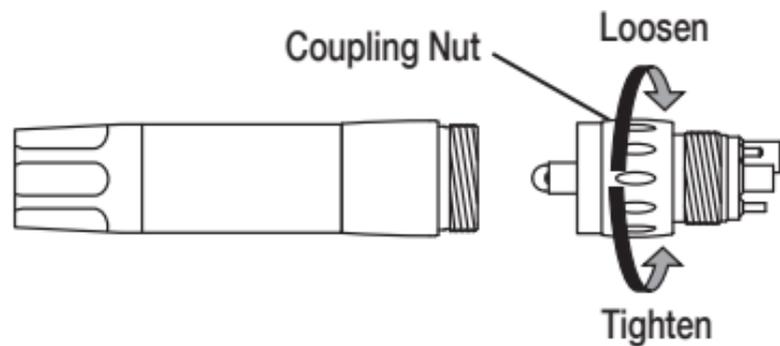


Fig.5

6. Sterilization

■ Autoclave Procedure

- 1) Scrub dirt and debris from the handpiece, and wipe clean with alcohol-immersed cotton swab or cloth. Do not use a wire brush.
- 2) Insert into an autoclave pouch. Seal the pouch.
- 3) Autoclavable up to a max. 275°F (135°C). ex.) Autoclave for 20 min. at 250°F (121°C) or 15 min. at 270°F (132°C).
- 4) Keep the handpiece in the autoclave pouch to keep it clean until you use it.

 **Caution**

- Do not heat or cool the handpiece quickly. Rapid change in temperature could break the cellular glass rod and give abnormal strain to other metals.
- Do not wash, soak, or wipe off the handpiece with/in the oxidation potential solution (strong acid, superacid solution) or sterilized solution.

7. Warranty

Brasseler USA warrants the coupling against defects in manufacturing, workmanship and materials. Brasseler USA reserves the right to analyze and determine the cause of any problem. Warranty is voided should the coupling not be used in accordance with this manual.

*Specifications may be changed without notice.

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