Dynamometric Wire Tensioner (Part No. 7107-0341)
Manual cleaning and sterilization instructions

Note: Cleaning instructions are in line with Smith & Nephew's cleaning instructions in brochure 7138-1339
Recommendations for Decontamination and Sterilization of Smith & Nephew Inc. Orthopaedic Devices.

Warnings
• Remove the tensioner from packaging before processing.
• Proper cleaning of the tensioner prior to sterilization is critical.
• The tensioner must be steam sterilized before use. Every other type of sterilization is not recommended.
• Never exceed the limit of 150° C, otherwise the tensioner could be damaged.

| Description | A Handle | B Fixed Prong | C Mobile Prong | D Dynamometric Scale | E Jaws |
Cleaning instructions

Note: The tensioner does not have to be disassembled for cleaning. Follow point of use cleaning by keeping used device moist after use.

Step 1 – Soak
Immerse the tensioner and soak for a minimum of five (5) minutes in enzymatic detergent (neutral pH).

Step 2 – Clean cannulation
Use tight fitting cleaning brushes or pipe cleaners to remove additional soil from challenging areas like crevices, cannula, and jaws.

[Open the tensioner by holding the mobile prong “C” with one hand and turn the handle “A” counter-clockwise as far as it will go (don’t force beyond this point) prior to cleaning cannula.]

Note: Brushes or pipe cleaners should have a tight fit, but be able to move back and forth in the area being cleaned. Brushes or pipe cleaners should be run down the entire length of the cannula. Move the mobile prong “C” during cleaning to access the crevices around the prong.

Step 3 – Sonicate
Sonicate the tensioner in its fully opened position for a minimum of 15 minutes in an ultrasonic cleaner containing warm enzymatic detergent (neutral pH).

Step 4 – Rinse
Rinse the tensioner thoroughly with warm water making sure to irrigate the challenge areas. Move the mobile prong back and forth by turning the handle for thorough rinsing at this location.

Step 5 – Check
After cleaning, visually inspect under normal lighting for the removal of visible soil.

For difficult to view design features, apply 3% hydrogen peroxide. Bubbling is indicative of the presence of blood. Rinse the instruments thoroughly with warm water following hydrogen peroxide testing.

Repeat cleaning if not visibly clean and reinspect.

Sterilization instructions

Dynamic air removal (prevacuum) steam
- Exposure temperature: 4 pulses at 132°C (270°F) or 3 pulses at 135°C (275°F)
- Minimum exposure time: three minutes
- Minimum drying time: 30 minutes

Gravity displacement (wrapped) steam
- Exposure temperature: 270°F (132°C)
- Exposure time:
  - 15 minutes (wrapped in CSR wrap) or 30 minutes (in wrapped instrument set)
  - Purge: one minute
  - Minimum vacuum drying: 30 minutes

Flash steam
- Exposure temperature: 270°F (132°C)
- Exposure time:
  - Gravity displacement: 15 minutes
  - Dynamic air removal (prevacuum): three - four minutes

Note: When not in use and especially during sterilization, the tensioner should never be left with the jaws “E” completely open. After use it is best to give handle “A” a clockwise turn.

After each sterilization cycle, it is good practice to lubricate the wire entry channel (cannula) with two or three drops of sterile oil for surgical drills.