



Indications

Use in place of dynamic components (rubber bands and springs) to apply low load, prolonged stress to soft tissues. Helps resolve passive range of motion limitations of the upper extremity due to fractures or soft tissue injury. With its low profile and size, the Splint-Tuner™ can be positioned almost anywhere on the base of the orthosis to provide the best line of pull to the injured joint. The Splint-Tuner™ can be adjusted to provide a progressive, steady, non-elastic force to increase joint motion over time. The amount of tension can be changed easily for both day and night wear by turning the thumb screw.

Attaching the Splint Tuner to the Orthosis Base

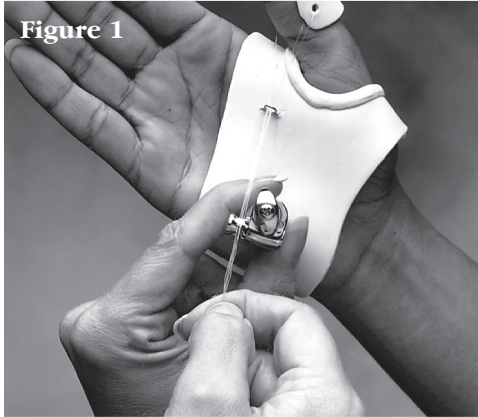


Figure 1



Figure 2

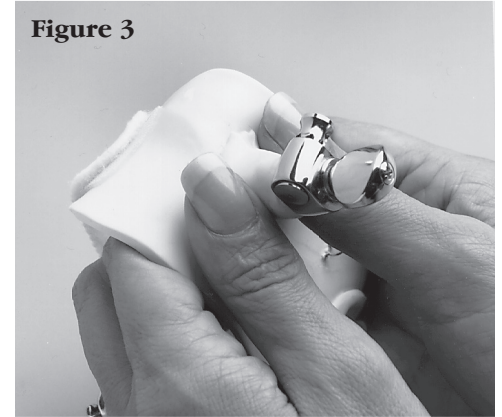


Figure 3

1. To determine the best alignment and location for the Splint-Tuner™, place the formed, low-temperature thermoplastic orthosis splint base on the patient and position the Splint-Tuner™ so that the rotating side cylinder is at a 90° angle to the outrigger line coming from the injured area. This is to ensure that the outrigger line will not slip off the rotating cylinder when it turns (Figure 1).
2. Cut a small piece of thermoplastic 1" x ¾"
(2.5 x 1.9cm)
3. If needed for better bonding, brush solvent on one side of this piece, and also on the splint base at the site where the Splint-Tuner™ will be attached.
4. Heat the thermoplastic piece with a heat gun until softened (Figure 2).
5. Wrap this softened thermoplastic piece around the stem of the Splint-Tuner™ with the solvent side toward the stem. Press the warm piece into the grooves of the stem to obtain a strong bond onto the Splint-Tuner™.
6. Heat the end of the thermoplastic piece around the Splint-Tuner™ again using a heat gun until its surface is soft and tacky.
7. Press the warm thermoplastic piece into the orthosis at the prepared attachment site, checking that the Splint-Tuner™ is in correct alignment for the outrigger line (Figure 3). Allow the thermoplastic to harden in place.

Splint-Tuner™ Instructions

Attaching and Adjusting the Outrigger Line



1. Attach the outrigger line to the distal attachment, i.e., finger loops or finger cuff.
2. Run the line from the distal attachment through the hole in the rotating cylinder of the Splint-Tuner™, as indicated in Figure 1.
3. Place the orthosis on the patient and turn the thumb screw component to adjust the amount of tension to the involved joint (Figure 4). The tension should never create discomfort or edema. If desired, mark the outrigger line near the rotating cylinder with a marker to establish a base-line reference point.
4. Allow about one extra rotation of the line around the cylinder so the orthosis can be loosened and easily removed later. Tie or use a crimp to secure the end of the outrigger line at the rotating cylinder.
5. To adjust the force required to turn the thumb screw, loosen or tighten the metal screw on top of the thumb screw.

Precautions

This device is to be fitted initially by a health care professional who is familiar with the purpose for which it is prescribed. The healthcare professional is responsible for providing instructions for use and precautions to the patient and/or care providers.

Cleaning

The Splint-Tuner™ is made of metal. It can be autoclaved or cleaned with disinfectant or soap and water.

Accessory Items

Orthosis base:

Low temperature thermoplastic sheet material or precut thermoplastic splint.

North Coast Solvent (NC12721)

Heat Gun (NC12716, NC11447)

Finger Loops/Cuffs

Gyovai Finger Spring™ (NC12508)

Crimp/Outrigger Line Connector (NC12495, NC12498)

Line Guide Metal Eyelets (NC22558)

Braided Outrigger Line (NC12520, NC12519)

Outrigger Line (NC12511, NC12511-15)

Order Information

NC22600 (4)

NC22601 (1)

To be used under the guidance of a qualified medical professional.

**SINGLE
PATIENT
USE**

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