Elbow Braces and Supports

Straps: Premium Tennis Elbow Support

- Ossur
 - Features:
 - Universal 5cm wide with loop-lock Velcro closure
 - Foam-lined for comfort
 - Available with hot/cold gel therapy
 - Contraindications
 - Any injury requiring orthopedic treatment with a plaster cast, resin cast or surgery
 - The strap must not be in direct contact with a skin lesion
 - Indications
 - Tendonitis of the elbow
 - Medial and lateral Epicondylitis

Ossur-Strap

Product fitting

- Measure the circumference below the elbow
- Universal sizing
- Pull the strap onto the forearm
- Place the cushions over the painful tendons (just below the elbow)
- Tighten using the flap to obtain firm but comfortable support

Instructions for care

- Hand wash in warm water with soap
- Dry flat
- Store away from sources of excessive heat

Ossur-Strap



- Reimbursement code: L3700
- Diabetics and patients with vascular insufficiencies must always consult a physician before using hot/cold therapy
- (http://www.ossur.com/?Pagel D=1342)

Premium Tennis Elbow Support Additional considerations

Strap: Clinic Tennis Elbow

DJO

- Features
 - Two-inch wide nylon strap with D-ring closure to allow comfortable fit and compression
- Indications
 - Medial and lateral epicondylitis
- Contraindications
 - Not meant for fractures of the elbow/forearm
 - Not to be placed on open wounds

DJO-Strap

- Product Fitting
 - Size: universal
 - Measure the circumference of the forearm
 - Slide brace up arm until its 2 inches below the elbow
 - Tighten strap so brace fits comfortably and snug

- Instructions for care
 - Hand wash with cold water and soap
 - Do not put in dryer
 - Lay it out flat to dry
 - Keep away from excessive heat

DJO-Strap

- Reimbursement code: L3700
- Easy to use
- (https://www.djoglobal.com/p roducts/procare/clinic-tenniselbow)



Additional Considerations

Clinic Tennis Elbow Strap

Strap: Bledsoe Tendon Strap

Bledsoe

- Features
 - Foam pad to relieve stress over medial/lateral epicondyles
 - Semi-rigid plate to distribute pressure for even compression
 - Contoured shape around the elbow
- Indications
 - For relief of medial/lateral epicondylitis and other forms of forearm and wrist pain
- Contraindications
 - Unstable fractures of the elbow



Bledsoe-Strap

Product fitting

- Measure forearm circumference
- XS: 10"-11", S: 11"-12", M: 12"-13", L: 13"-15", XL: 15"-17"
- Slide arm into brace
- Secure it 2 inches below elbow with the strap
- Adjust the strap so it fits around the forearm comfortably

Instructions for Care

 Do not leave this device in a place where the temperature can exceed 150 degrees

Bledsoe-Strap

- Reimbursement code: L3701
- Easy to use and adjust
- Can be used for patellar tendonitis as well
- (http://www.bledsoebrace.com /products/tendon_strap.asp)



Additional Considerations

Tendon Strap

Pneumatic Braces

- Ossur- Airform Tennis Elbow Support
 - Features
 - More support with less constriction
 - Focused pneumatic compression
 - Conforms and comfortably cushions sensitive injured anatomy
 - Easy to apply, simple design fits most for reduced inventory
 - Indications
 - Tendonitis
 - Epicondylitis of the elbow
 - Contraindications/Precautions
 - Patients should inspect their elbow, forearm and the brace before and after each use
 - Do not use on open wounds/skin lesions

Ossur-Pneumatic

Product Fitting

- Fits circumference 8–14"
- Sizing is universal
- Loosen contact closure strap.
- Place arm inside brace
- Apply the brace 2 inches below the elbow
- Tighten the strap until snug
- Secure the contact closure to a comfortable fit
- Adjustments may be necessary as forearm swelling patterns change

Instructions for care

- Clean with a mild detergent and cold water
- Do not wash in a washing machine or use bleach
- Lay it out flat on a towel to dry
- Do no place in dryer or wring out the brace

Ossur-Pneumatic

- Reimbursement code: L-320000
- Very comfortable
- (http://www.ossur.com/?Pagel D=13423)



Additional Considerations

Airform Tennis Elbow Support

Pneumatic Armband

DJO

- Features
 - Focused compression for less constriction
 - Breathable material enhances comfort and wear ability
 - Simple, effective design makes it easy to apply
 - One size fits most for reduced inventory requirements
- Indications
 - Epicondylitis
- Contraindications
 - Do not use if on skin with open wounds or lesions

DJO-Pneumatic

Product Fitting

- Measure forearm circumference
- Universal fit (8"-14")
- Place arm inside brace
- Adjust the brace so it is 2 inches below the elbow and the aircell pouch is on the irritated tendons
- Secure brace with strap so it fits comfortably

Instructions for care

- Remove aircell pouch before cleaning
- Hand wash with soap
- Keep away from extreme heat

DJO-Pneumatic

- Reimbursement code: L-O5A
- Comes in beige and black
- Loosen strap if it becomes too tight
- (https://www.djoglobal.com/p roducts/aircast/pneumaticarmband)



Additional Considerations

Pneumatic Armband

Pneumatic Brace

- DME Direct-Aircast Tennis Elbow Pneumatic Armband Brace
 - Features
 - Reduces forearm shock and tennis elbow pain
 - Features an aircell pillow to dampen forces
 - · Very effective & comfortable for all day wear.
 - Indications
 - Tennis elbow (Lateral Epicondylitis)
 - Golfer's elbow
 - Overuse tendonitis
 - Contraindications/precautions
 - do not use on open wounds or skin lesions

DME-Pneumatic

Product Fitting

- Fits forearm
 circumference of 8" 14"
- Universal sizing
- Place the strap 2 inches below the elbow
- Tighten the strap so the brace is secure and snug and aircell pillow is over painful tendons

Instructions for care

- Foam strap material can be hand washed with cold water once the aircell pillow is removed
- Lay it out flat to dry
- Do not leave near excessive heat

DME-Pneumatic



- Reimbursement Code: L3701
- Available in beige and black
- Athletes favorite
- Can be used on the left or right side
- (http://www.dmedirect.com/aircast-tennispneumatic-elbow-armbandbrace)

Elbow Pneumatic Armband Brace Additional Considerations

Elbow Sleeve

Features

- Easy slip on design
- Compression and warmth
- Durable sleeve for long lasting wear
- Light support to elbow area

Indications

- Swollen and painful elbow joints
- Tennis elbow
- Sprains and strains
- Bursitis and tendonitis
- http://www.ossurproducts.co m/braces/pc/Neoprene-Tennis-Elbow-Sleeve-8p48.htm



Elbow Sleeve

- Contraindications
 - Not intended to prevent or reduce the risk of injury
- Precautions
 - If any additional symptoms occur, discontinue use and seek medical attention
 - Discontinue if rash or allergy occurs
 - Do not wear while sleeping, may interfere with blood circulation

- Measurement Considerations
 - Forearm circumference (cm)
 - Small: 9-10
 - Medium: 10–12
 - Large: 12–14
 - X-Large: 14-16
- Fitting Instructions
 - Measure circumference of forearm
 - Slip brace onto affected arm
 - Center padded center of brace over center of elbow

Elbow Sleeve

- Instructions for Care
 - Hand wash with mild detergent and let air dry
 - Do not leave in trunk of car on a hot day that may exceed 150 degrees F for an extended period of time
- Device Benefits for Select Populations
 - Comes in all different sizes to properly fit anyone
 - Does not affect everyday living

- Additional Considerations
 - Some come with straps that can be tightened
 - Can be used on left or right side
 - Athletes tend to prefer
 Bledsoe over Ossur
- Reimbursement Code
 - L3701

- Features
 - Fits all patients
 - Easily adjusted
 - Padded shoulder strap
 - Made of lightweight nylon
 - Oversized envelope to accommodate large casts and dressings

 http://www.ossurproduct s.com/braces/pc/Strap-Style-Contact-Closure-Immobilizer-4p25.htm



- Indications
 - Immobilizes and supports sprains and strains of the shoulder, elbow, or fractures of the arm
- Contraindications
 - Unstable fractures
- Precautions
 - Not intended to prevent injuries or reduce the risk of injury

- Measurement Considerations
 - Different depths and lengths of envelope
 - X-Small: 19cmx28cm
 - · Small: 19cmx34cm
 - Medium: 19cmx39cm
 - Large: 19cmx44cm
 - X-Large: 19cmx51cm

- Fitting Instructions
 - Place arm in sling and adjust
 - Sling can be shortened by folding the end inward and attaching the hook and loop fastener
 - Position shoulder strap
 - Place strap over unaffected shoulder
 - Adjust strap tension
 - Adjust strap using buckle fastener

- Instructions for Care
 - Machine wash in cold water with mild detergent
 - Do not leave in hot car or trunk if temperature may exceed 150 degrees F

- Additional Considerations
 - Sling comes in 5 different sizes so made for anyone
 - Sling can be adjusted to fit patient and be comfortable
 - Reimbursement Code: L8699

Post-Op Hinge Brace

Features

- Formable aluminum plates adjust to fit any arm circumference
- Easily removed in one piece and reapplied by patient with one hand
- Light for patient comfort
- Lateral hinge and arm design prevents rubbing against body
- Easily set ROM from –
 10 to 110

Features (cont'd)

- Hinge provides most comprehensive range of motion solution in the industry
- Controlled flexion and extension
- Comfort pad at neck and shoulder
- Low cost
- Universal sizing

Post Op Hinge Brace



http://www.ossurproducts.com/braces/pc/Innovator-X-Post-Op-Elbow-&p158.htm



Post Op Hinge Brace

- Indications
 - Post-operative elbow or arm surgery
 - Collateral ligament sprains
 - Ulnar nerve injuries
 - May be used after cast removal to stabilize fracture
 - Radial fractures
 - Lateral/medial epicondylitis

- Contraindications
 - Unstable fractures
 - Fracture of proximal humerus
 - Fracture of distal radius or ulna

Measurement Considerations

- Measuring Lower Arm
 - Measure from ulnar styloid process to medial humeral epicondyle
 - Small: 18–24cm
 - Large: 21.5–32cm

- Measuring Upper Arm
 - Measure from medial humeral epicondyle to axilla
 - Small: 14-20cm
 - Large: 18–29cm

Fitting Instructions

- Elbow brace is packaged in locked position
- Slide orange button away from hinge to unlock brace
- There are 4 over-center buckles on brace
- Open over-center buckles by pinching the 2 gray tabs on the buckle
- Position the hinge over the lateral epicondyle
- Make length adjustments to the forearm
- Slide the locking clip over to expose the button, depress the button and extend the arm to the desired length

Fitting Instructions (cont'd)

- Secure the locking clip by sliding it over the button to lock the button in place
- Repeat the same process to adjust the humeral arm length
- Slide the arm into the brace
- Form the black aluminum plates around the forearm
- Connect the over-center buckle located closest to the wrist

Fitting Instructions (cont'd)

- Adjust the strap tension using the hook to pile fastener at the strap end
- If necessary trim excess strap by removing the hook piece, trimming the strap, and replacing the hook piece
- Repeat this process for the remaining three straps

Post-Op Hinge Brace

- Instructions for Care
 - Don't leave in car or trunk where temperature may exceed 150 degrees F for an extended period of time
 - Hand wash with soap and water

- Additional Considerations
 - This brace provides the most comprehensive range of motion solution in the industry
 - Brace can be adjusted for patient comfort
- ReimbursementCode
 - L3740

References

- www.ossur.com
- www.djoglobal.com
- www.bledsoebrace.com
- www.dme-direct.com
- http://www.betterbraces.com/aircast-mayoclinic-elbow-brace
- http://www.rehabmart.com/product/phoenixelbow-hinges-choose-size-4634.html
- http://www.breg.com/sites/default/files/downlo ads/pdfs/1.94012B-Slingswathe-shoulderbrace.pdf