

A-Flex™ Protective Headgear



Orthomerica introduces the A-Flex Protective Headgear, an adjustable alternative to other hard protective devices. The A-Flex Protective Headgear is fabricated from a flexible plastic that readily conforms to varying head shapes making it easy-to-fit upon demand. The protection is ideal for low impact forces that are distributed (like a shock absorber) across the entire surface without cracking or penetrating. The headgear is equipped with easy-to-adjust straps minimizing the need for chin straps. Optional chin straps are recommended for active and noncompliant patients. The posterior strap “locks” the device below the mastoids and accommodates size variations while the lateral straps are used for easy donning and doffing. Lateral straps and side-slits are also optional. The A-Flex features ventilation holes to reduce trapped heat. It can be easily trimmed with a pair of shop snips without the need for complex equipment and tools. It can be stocked in various sizes.

Clinical Indications

- Post-operative craniectomy or craniotomy
- Cranial vault reconstruction or other cranial surgery
- Skull anomalies
- Seizure disorders
- Self-injurious behavior related to head banging, hair pulling, etc.
- Instability secondary to poor balance and/or equilibrium reactions

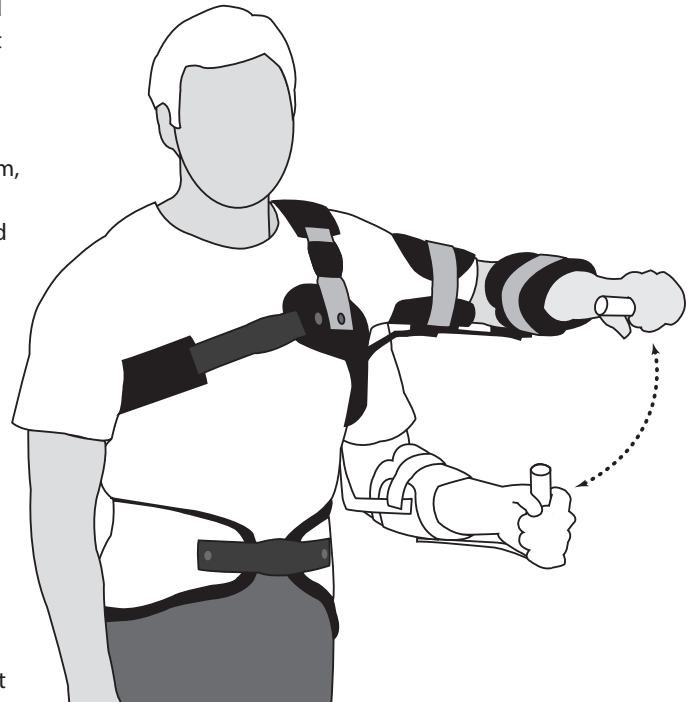
Contraindications

- Individuals who are at high risk for facial injuries (Custom products including face guards and other forms of cranial protection are available from Orthomerica)
- Individuals requiring high impact protection

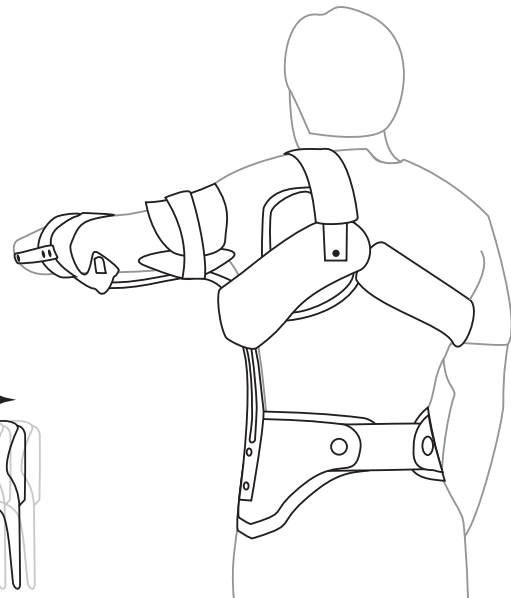
| Size | Blue | Pink | White | Circumference |
|-------------------------------------|---------------|---------------|---------------|---------------|
| Pediatric SM | 783.01 | 783.21 | 783.61 | 40-43 cm |
| Pediatric MD | 783.02 | 783.22 | 783.62 | 43-46 cm |
| Pediatric LG | 783.03 | 783.23 | 783.63 | 46-48 cm |
| Pediatric XL | 783.04 | 783.24 | 783.64 | 48-51 cm |
| Adult XS | 783.05 | 783.25 | 783.65 | 51-53 cm |
| Adult SM | 783.06 | 783.26 | 783.66 | 53-56 cm |
| Adult MD | 783.07 | 783.27 | 783.67 | 56-58 cm |
| Adult LG | 783.08 | 783.28 | 783.68 | 58-61 cm |
| Adult XL | 783.09 | 783.29 | 783.69 | 61-64 cm |
| Adult 2X | 783.10 | 783.30 | 783.70 | 64-66 cm |
| Custom A-Flex with Transfer Pattern | | | | 783 |
| Transfer Pattern Upgrade | | | | 124 |
| Chin Strap Kit—Blue | | | | 783.15 |
| Chin Strap Kit—Pink | | | | 783.14 |
| Chin Strap Kit—White | | | | 783.13 |
| Chin Strap Kit—Transfer Pattern | | | | 783.16 |
| Replacement Side Strap Kit—Blue | | | | 783.17 |
| Replacement Side Strap Kit—Pink | | | | 783.18 |
| Replacement Side Strap Kit—White | | | | 783.20 |
| Replacement Side Strap Kit—Custom | | | | 783.19 |
| *Straps are one-size-fits-all | | | | |

Newport® Shoulder System This pre-fabricated or custom-to-measurements orthosis utilizes the unique Newport 3 Hip Orthosis pelvic components to allow for full pelvic weight bearing, eliminating the need for shoulder straps which are often uncomfortable. Unique shoulder joint controls adduction/abduction, flexion/extension, and rotation of the shoulder and arm, offering the orthopaedic professional a true choice of positions. Lined with neoprene, the orthosis is lightweight, comfortable, and easy to don and doff. Replacement pads are available. Scapular stabilization prevents anterior movement of the scapula so that connective tissue between the shoulder and the scapula is not stretched. This feature is designed to prevent or treat adhesive capsulitis (reduced range of motion of the shoulder joint) which often occurs following shoulder surgery.

- Pelvic weight bearing—utilizes Newport 3 Hip Orthosis pelvic components
- Scapular containment design
- Unique pivot pelvic adjustment design to fit both males and females
- Free or fixed flexion/extension of the shoulder joint, elbow joint
- Fixed or adjustable range of adduction/abduction
- Adjustable rotation at the elbow without affecting the shoulder joint
- Effective for positioning of burn patients
- Available as a bilateral orthosis (Custom-To-Measurements only)

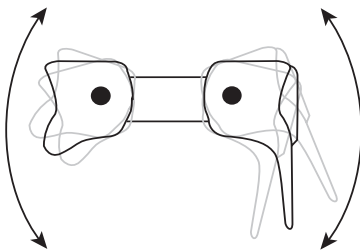


Entire arm can either be raised—usually best for rehab, or lowered—usually best for post-trauma.

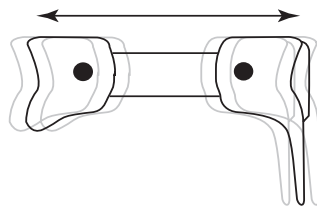


Shown with optional scapular stabilizer*

Newport 3 Pelvic Components (posterior view)



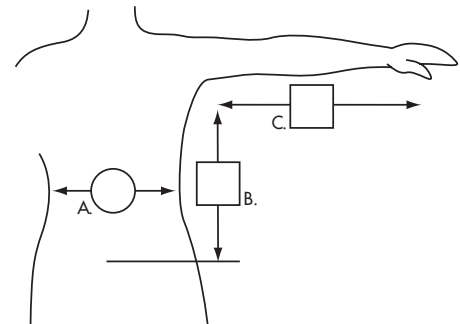
Rotational Adjustment

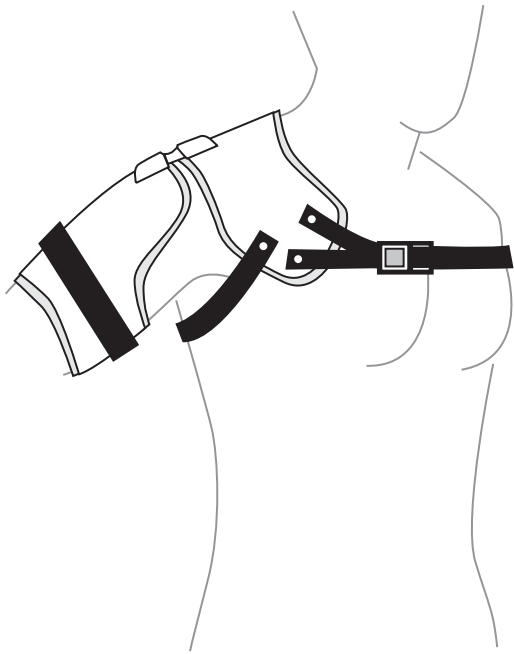


Lateral Adjustment

| Size | Model # | | Waist Circ. (a) | Axilla to Crest (b) | Axilla to Mid Palm (c) |
|---------|---------|-------|-----------------|---------------------|------------------------|
| | Left | Right | | | |
| Small | 1180 | 1185 | 25"-31" | 12"-15" | 17"-26" |
| Medium | 1181 | 1186 | 34"-40" | 12"-15" | 17"-26" |
| Large | 1182 | 1187 | 34"-40" | 12"-15" | 19"-29" |
| X-Large | 1183 | 1188 | 39"-45" | 15"-19" | 19"-29" |

*For scapular stabilization feature order 1189, upgrade charge applies. Specify left or right when ordering separately.





Highland™ Shoulder Sling The pre-fabricated Highland Shoulder Sling has been designed to limit chronic shoulder subluxation/dislocation. The orthosis holds the humerus in position and also helps prevent stretching of the tendons and ligaments due to poor muscle tone in the shoulder area following CVA, ligamentous rupture or peripheral nerve injury. Also indicated following resection of the distal end of the clavicle. The sculpted scapular component diffuses the weight of the arm across the shoulder girdle to minimize discomfort.

Modular flexible scapular and humeral components are interchangeable to mix and match for varying patient shapes and sizes (e.g., disproportionately large circumference upper arms in geriatric females.)

- Lightweight, low profile design is anatomically contoured for maximum patient comfort and function
- Simple fasteners for easy donning/doffing by patients with limited manual dexterity
- Soft elasticized straps with additional padding to protect delicate skin
- Washable/replaceable Coolfoam™ liners reduce perspiration build-up, improve patient comfort and promote patient compliance
- Easily trimmable components for customized fitting

| Size | Model # | Distal Circ. | Proximal Circ. | Replacement Pads Model # |
|--------|-------------|--------------|----------------|--------------------------|
| Small | 1220 | 7"-9" | 9"-11" | 1228.01 |
| Medium | 1221 | 9"-11" | 11"-13" | 1228.02 |
| Large | 1222 | 11"-13" | 13"-15" | 1228.03 |

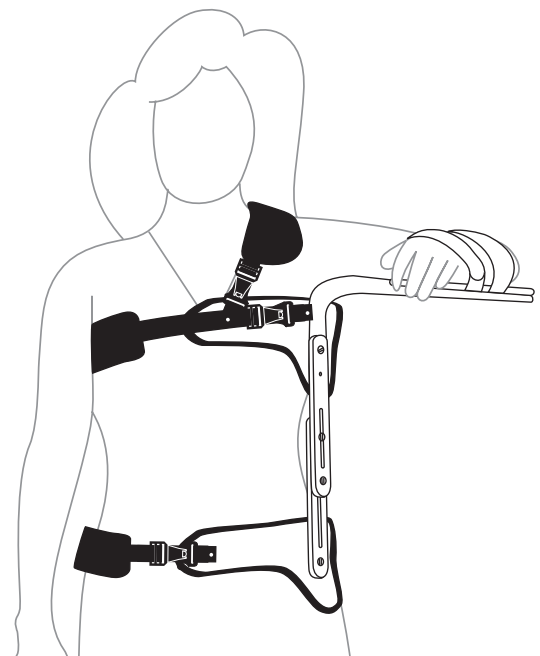
Includes adjustable arm sling. Medial Shell Option, Model # **1228.05**—upgrade charge applies

Ultra Lite™ Airplane Splint Extremely lightweight plastic/aluminum, functional shoulder abduction splint. Especially effective following rotator cuff repairs, involved humeral fractures, and post-op shoulder/arm surgery where control of shoulder position and elbow flexion is desired.

- Universal design fits left or right
- For tough shoulder immobilization problems
- Lightweight, adjustable, washable, comfortable

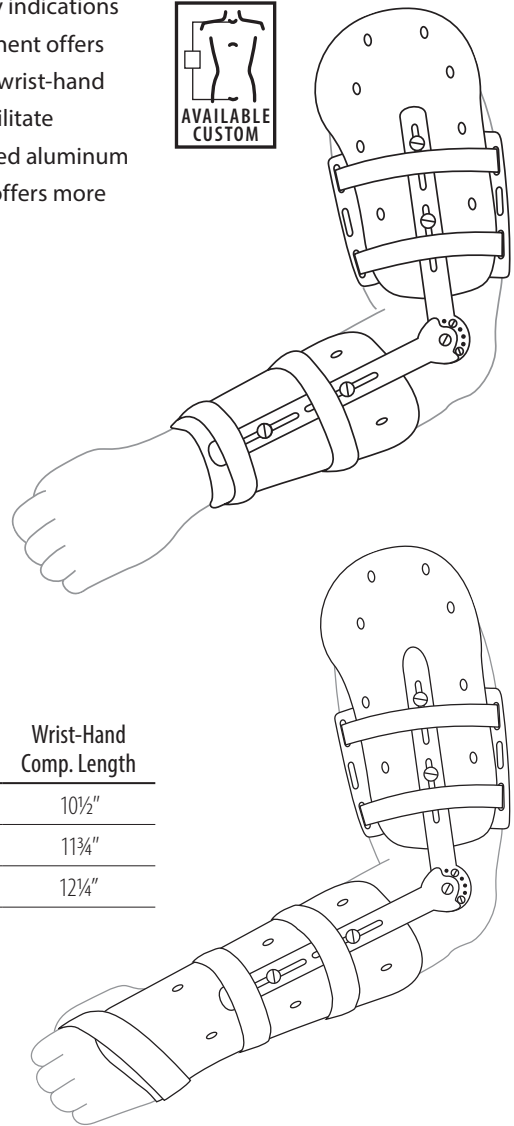
| Size | Model # | Axilla to Medial Epicondyle | Axilla to Crest |
|----------------|-------------|-----------------------------|-----------------|
| Small | 1150 | 6"-8½" | 7½"- 11" |
| Medium & Large | 1153 | 8½"-13" | 11"-16" |

Replacement pads available, add .01 suffix



Prime™ Elbow System (Pre-assembled Range of Motion Modular Elbow)

This Pre-fabricated modular arm orthosis is effective for post-surgical or post-injury indications where limited range of motion and rotation control are desired. Upper arm component offers snug fit with two different lower arm choices lined with 1/8" Aliplast; ulnar sleeve or wrist-hand module to control rotation. Perforated for ventilation. Adjustable Velcro® straps facilitate application and removal for wound inspection, dressing and sock changes. Anodized aluminum lateral joint allows adjustment in 30° increments/plastic medial joint combination offers more positive control than classic "Elbow Orthosis" shown below.



With Ulnar Component

| Size | Model # | | Upper Arm Circ. | | Forearm Circ. | Ulnar Comp. Length |
|--------|---------|-------|-----------------|---------|---------------|--------------------|
| | Left | Right | Prox. | Dist. | | |
| Small | 1120 | 1125 | 9"-11" | 7"-9" | 7"-9" | 6" |
| Medium | 1121 | 1126 | 11"-13" | 9"-11" | 9"-11" | 7" |
| Large | 1122 | 1127 | 13"-15" | 11"-13" | 11"-13" | 8" |

Kit includes 2 Colles' socks (Model # 4134), sling

With Wrist-Hand Component

| Size | Model # | | Upper Arm Circ. | | Lower Arm Circ. | | Palm Width | Wrist-Hand Comp. Length |
|--------|---------|-------|-----------------|---------|-----------------|-------------|------------|-------------------------|
| | Left | Right | Prox. | Dist. | Prox. Circ. | Dist. Circ. | | |
| Small | 1130 | 1135 | 9"-11" | 7"-9" | 9" | 7" | 2½"-3" | 10½" |
| Medium | 1131 | 1136 | 11"-13" | 9"-11" | 12" | 8" | 3"-3½" | 11¾" |
| Large | 1132 | 1137 | 13"-15" | 11"-13" | 14" | 9" | 3½"-4" | 12¼" |

Kit includes 2 Colles' socks (Model # 4134), sling

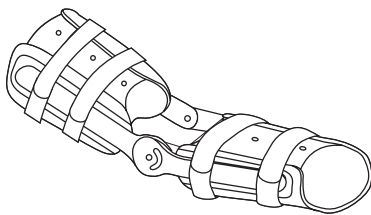
All components are interchangeable as well as available separately.

Available with Bilateral Aluminum Joints (Model # 1146) upgrade charge applies

Available CTM with Bilateral Aluminum Wrist Joints (Model # 620) upgrade charge applies

Wrist Joints (available separately)

| | Model # |
|--------------------------|---------|
| Aluminum Range of Motion | 4222 |
| Plastic Free Motion | 4223 |



Elbow Orthosis

Effective in limiting flexion and extension following elbow arthroplasty and other post-surgical or post-injury indications where limited range of motion is desired. Lightweight polyethylene. Perforated and lined with closed-cell foam. Socks included with each orthosis. Upper and lower arm modular components are interchangeable for further customization.

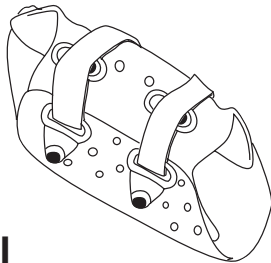
| Size | Model # | Mid Upper Arm | | Forearm | |
|---------|---------|---------------|--------------|---------|--------------|
| | | Circ. | Brace Length | Circ. | Brace Length |
| Small | 1110 | 8"-10" | 7¼" | 7"-9" | 6" |
| Medium | 1111 | 10"-12" | 7½" | 9"-11" | 6½" |
| Large | 1112 | 12"-14" | 8" | 11"-13" | 7¾" |
| X-Large | 1113 | 14"-16" | 10⅞" | 13"-15" | 8" |

Includes 2 socks (Model # 4134)

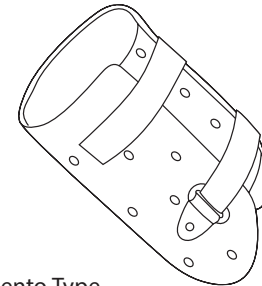
- Universal design fits left or right
- Plastic Low Profile joint is adjustable in 30° increments for desired range of motion
- Velcro® attachments facilitate individual adjustment of uprights
- Plush Colles' sock, closed-cell foam lining for comfort

Humeral Fracture Brace Kits Functional braces for mid-shaft diaphyseal humeral fractures. Both models allow shoulder range of motion. Side-specific (left or right) bi-valved model has more anatomical definition for biceps. Adjustable Velcro® strap system maintains compression and limits distal migration.

- Lined with closed-cell foam
- Perforated for ventilation
- Socks and sling provide comfort and improve hygiene



Universal model available as kit or sleeve only Universal design fits left or right



Bi-Valved Model

| Size | Model # | | Mid upper arm Circ. | Overall Length | |
|---------|---------|-------|---------------------|----------------|---------|
| | Left | Right | | Medial | Lateral |
| Small | 1350 | 1355 | 8"-11" | 5½" | 8½" |
| Medium | 1351 | 1356 | 11"-14" | 5½" | 8¾" |
| Large | 1352 | 1357 | 12"-15" | 6" | 9¾" |
| X-Large | 1353 | 1358 | 12"-15" | 6¾" | 10¾" |

Kit includes 2 socks (Model # 4132) and 1 padded arm sling

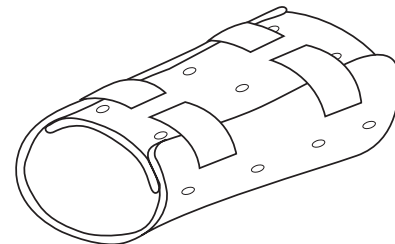
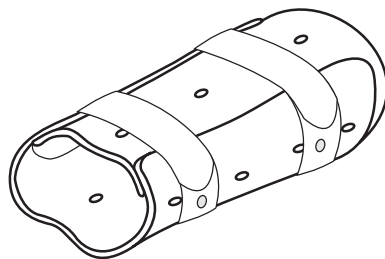
Universal Model Sarmiento Type

| Size | Model # | | Proximal Circ. | Distal Circ. | Brace Length |
|---------|-------------|------|----------------|--------------|--------------|
| | Sleeve Only | | | | |
| X-Small | 1079 | 1069 | 7"-9" | 5"-7" | 5½" |
| Small | 1080 | 1070 | 9"-11" | 7"-9" | 7¼" |
| Medium | 1081 | 1071 | 11"-13" | 9"-11" | 8" |
| Large | 1082 | 1072 | 13"-15" | 11"-13" | 8" |
| X-Large | 1083 | 1073 | 15"-17" | 13"-15" | 10¾" |

Kit includes 2 socks (Model # 4132) and 1 padded arm sling

Ulnar Fracture Brace Kits Lightweight functional braces for isolated ulnar fractures. Designed to allow more comfortable elbow motion, wrist flexion and extension. Universal design fits right or left, Bi-valved model is side-specific. Lined with closed-cell foam. Adjustable Velcro® straps maintain compression for fracture alignment and comfort.

- Maintains reduction of isolated ulnar fracture while allowing adjacent joint movement
- Available as kit (with socks)—components also available separately
- Comfortable, perforated, lined with closed-cell foam for comfort
- Bi-valved anatomical, side specific design (left or right) for more precise fitting, or
- Universal design to minimize stocking requirements



Bi-Valved Model

| Size | Model # | | Proximal Circ. | Distal Circ. | Brace Length |
|--------|---------|-------|----------------|--------------|--------------|
| | Left | Right | | | |
| Small | 1030 | 1035 | 7"-9" | 6"-7" | 7" |
| Medium | 1031 | 1036 | 9"-11" | 7"-8" | 8¼" |
| Large | 1032 | 1037 | 11"-13" | 8"-9" | 9¼" |

Kit includes 2 socks (Model # 4130)

To order brace only, add .01 suffix, e.g., 1031.01

Universal Model Sarmiento Type

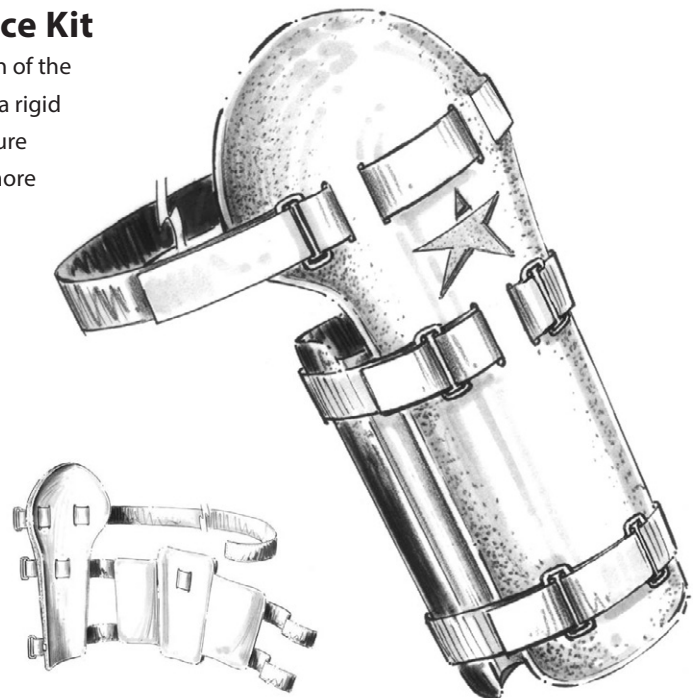
| Size | Model # | | Brace Length |
|--------|-------------|------|--------------|
| | Sleeve Only | | |
| Small | 1050 | 1040 | 6" |
| Medium | 1051 | 1041 | 6¾" |
| Large | 1052 | 1042 | 8" |

Kit includes 2 socks (Model # 4130)

The **Soft Shoulder Humeral Fracture Brace Kit**

has proven effective for humeral diaphyseal fractures. The design of the compression molded foam provides flexibility at the edges with a rigid structural core. Much lighter than traditional thermoplastic fracture orthoses, its materials and user friendly compression achieve a more intimate fit for increased patient compliance and comfort.

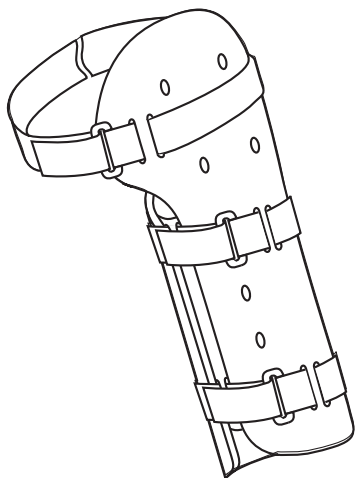
- Ultralight compression molded foam for total contact support
- Shoulder cap limits distal migration yet allows full shoulder movement
- Dual tongue design molded into medial shell for ease of adjustability and compression
- Comfortable design for increased patient compliance
- Universal, fits right or left - 5 sizes



Unique dual tongue molded into the medial component can be trimmed to provide compression

| Size | Model # | Proximal Circ. | Distal Circ. | Lateral Brace Length |
|---------|-------------|----------------|--------------|----------------------|
| X-Small | 1229 | 8"-10" | 6"-8" | 11" |
| Small | 1230 | 9"-11" | 7"-9" | 12" |
| Medium | 1231 | 11"-13" | 9"-11" | 13" |
| Large | 1232 | 13"-15" | 11"-13" | 13" |
| X-Large | 1233 | 15"-17" | 13"-15" | 14" |

Kit includes 2 socks (Model # **4132**). Sling not included.

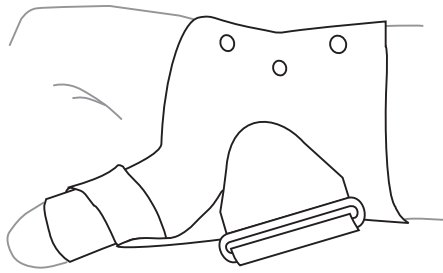


Shoulder Humeral Fracture Brace Kit Polyethylene shell for comfortable lightweight control. Can be easily trimmed to allow elbow range of motion. Foam lining and socks provide improved hygiene and comfort. Soft hook and pile suspension strap passes across chest, back, and under opposite arm. Universal, fits left or right.

- Lined with 1/8" closed-cell foam
- Increased patient confidence/comfort
- Shoulder cap limits distal migration yet allows full shoulder movement

| Size | Model # | Proximal Circ. | Distal Circ. | Lateral Brace Length | Approx. Medial Length |
|---------|-------------|----------------|--------------|----------------------|-----------------------|
| X-Small | 1089 | 8"-10" | 6"-8" | 11½" | 6½" |
| Small | 1090 | 9"-11" | 7"-9" | 12" | 7" |
| Medium | 1091 | 11"-13" | 9"-11" | 13" | 7½" |
| Large | 1092 | 13"-15" | 11"-13" | 14" | 8" |
| X-Large | 1093 | 15"-17" | 13"-15" | 14¼" | 8½" |

Kit includes 2 socks (Model # **4132**). Sling not included.



Thumb easily trimmed

Gamekeeper's Thumb Splint Effective anatomical splint restricts motion and offers maximum support of the radial side wrist and thumb structures. Effective for arthritis patients or following sprains or surgery to collateral ligament and MCP joint.

- Lightweight, trimmable polyethylene
- Restricts movement of the CMC joint
- Stabilizes the collateral ligament of the thumb

| Size | Model # | | Palm Width | Brace Length |
|--------|---------|-------|------------|--------------|
| | Left | Right | | |
| Small | 1211 | 1215 | 2½"-3" | 5" |
| Medium | 1212 | 1216 | 3"-3½" | 5¼" |
| Large | 1213 | 1217 | 3½"-4" | 5½" |



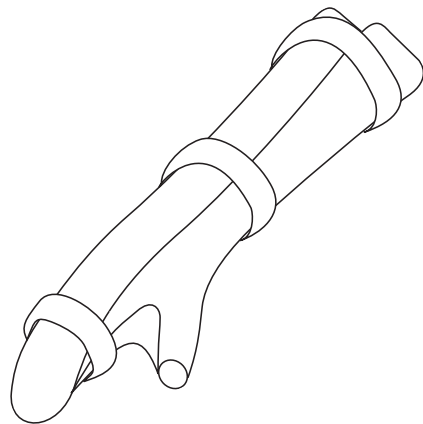
New and Improved
Thumb Spica!

Thumb easily trimmed

European Thumb Spica Effective anatomical, splint for maintaining thumb in abduction while allowing finger and wrist functions following sprains or surgery. Also useful for support in basilar joint disease.

- Injection molded, lightweight, trimmable plastic
- Includes one washable, cotton/lycra liner for extra comfort
- Adjustable Velcro® wrist strap

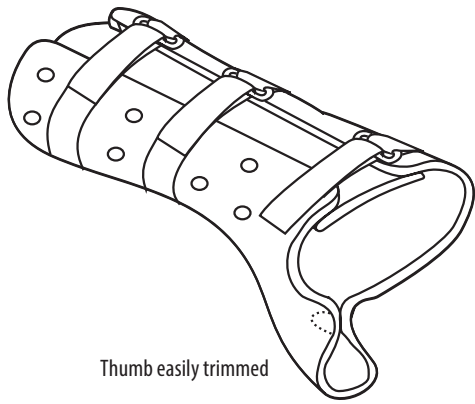
| Size | Model # | | Wrist Circ. | Brace Length | Model # Replacement Sock |
|---------|---------|---------|-------------|--------------|-----------------------------|
| | Left | Right | | | |
| Small | 1200.01 | 1205.01 | < 7" | 4" | 1209.01 |
| Medium | 1201.01 | 1206.01 | 7"-8" | 5" | 1209.02 |
| Large | 1202.01 | 1207.01 | 8"-9" | 5" | 1209.03 |
| X-Large | 1203.01 | 1208.01 | > 9" | 6" | 1209.04 |



Wrist-Hand Platform Splint Simple versatile basic platform splint for wrist-hand immobilization. Both anatomical shape and lightweight polyethylene make this splint effective for post-operative rehabilitation and night positioning where neutral wrist position and thumb abduction are desired.

- Lightweight polyethylene
- Versatile hand splint for general indications
- Easily removed for therapy sessions, hygiene

| Size | Model # | | Palm Width | Forearm Circ. | Brace Length |
|---------|---------|-------|------------|---------------|--------------|
| | Left | Right | | | |
| X-Small | 1100 | 1105 | up to 2¼" | 5"-7" | 14½" |
| Small | 1101 | 1106 | up to 2¾" | 7"-9" | 15" |
| Medium | 1102 | 1107 | up to 3¼" | 9"-10" | 15½" |
| Large | 1103 | 1108 | up to 3¾" | 10"-12" | 16" |
| X-Large | 1104 | 1109 | up to 4¼" | 12"-14" | 16½" |



Thumb easily trimmed

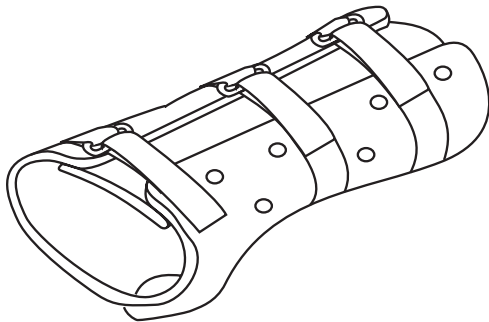
Wrist-Hand-Thumb Orthosis Anatomically shaped of low density polyethylene with closed-cell foam lining. Tongue is rigid yet comfortable for most traumatic, post-surgical, or longer term rehabilitation applications. Adjustable Velcro® straps allow for swelling and facilitate wound management. Easily trimmed with cast scissors. May be reshaped with heat gun.

- 2 socks (with thumb)
- Padded Tongue
- Large thumb component
- Perforated for ventilation

| Size | Model # | | Palm Width | Forearm Circ. | Brace Length |
|--------|---------|-------|------------|---------------|--------------|
| | Left | Right | | | |
| Small | 1000 | 1005 | 2½"-3" | 7"-9" | 7½" |
| Medium | 1001 | 1006 | 3"-½" | 9"-10½" | 7¾" |
| Large | 1002 | 1007 | 3½"-4" | 10"-12" | 8½" |

Available as: Lined WHTO w/o socks (.02 series) e.g., 1001.02
Standard model w/o socks or lining (.01 series) e.g., 1001.01

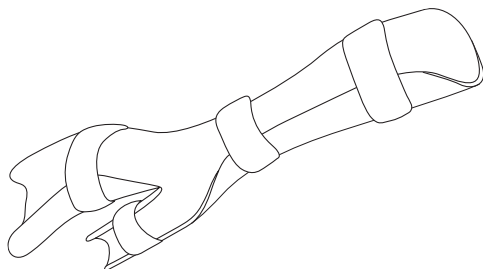
Replacement socks (2) (Model # 4135)



Wrist-Hand Orthosis Anatomically shaped of low density polyethylene. Adjustable Velcro® straps allow for swelling and facilitate wound management. Easily trimmed with cast scissors. May be reshaped with heat gun.

- 2 socks (with thumb)
- Padded Tongue
- Large thumb component
- Perforated for ventilation

| Size | Model # | | Forearm Circ. | Palm Width | Brace Length |
|--------|---------|-------|---------------|------------|--------------|
| | Left | Right | | | |
| Small | 1010 | 1015 | 7"-9" | 2½"-3" | 7-¼" |
| Medium | 1011 | 1016 | 9"-10½" | 3"-3½" | 7-½" |
| Large | 1012 | 1017 | 10"-12" | 3½"-4" | 8" |



Wrist-Hand Cock-Up Splint Kydex® Cock-Up Splint maintains wrist and hand in slight extension. Excellent for a variety of wrist and hand indications such as arthritic hand positioning, reconstructive surgery or spasticity. The platform extends to the end of the fingers.

- Versatile hand splint for many indications
- Anatomical thumb design for comfort and maximum control
- Kydex® material can be heat modified and/or trimmed

| Size | Model # | | Mid Palm Width | Brace Length |
|---------|---------|-------|----------------|--------------|
| | Left | Right | | |
| X-Small | 1019 | 1024 | up to 2½" | 11" |
| Small | 1020 | 1025 | 3" | 13" |
| Medium | 1021 | 1026 | 3½" | 14" |
| Large | 1022 | 1027 | 4½" | 14½" |