

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

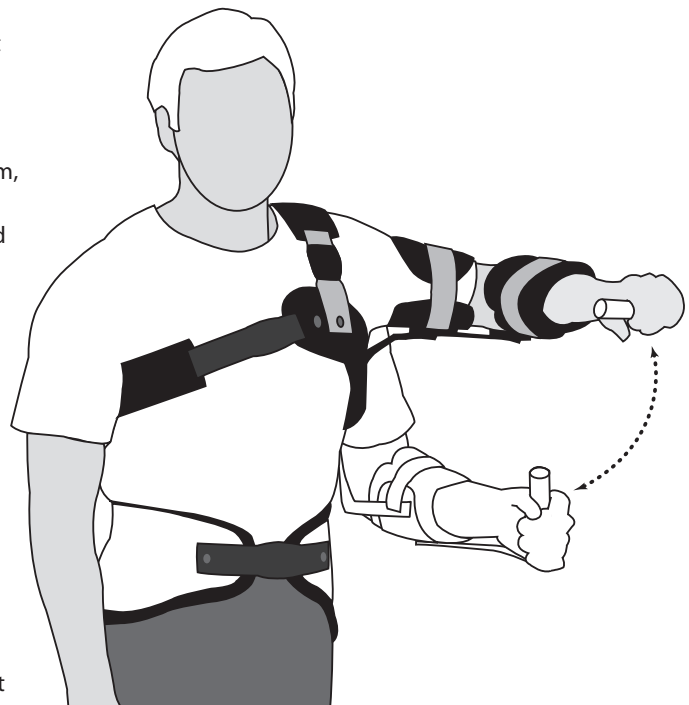
Contraindications

- 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

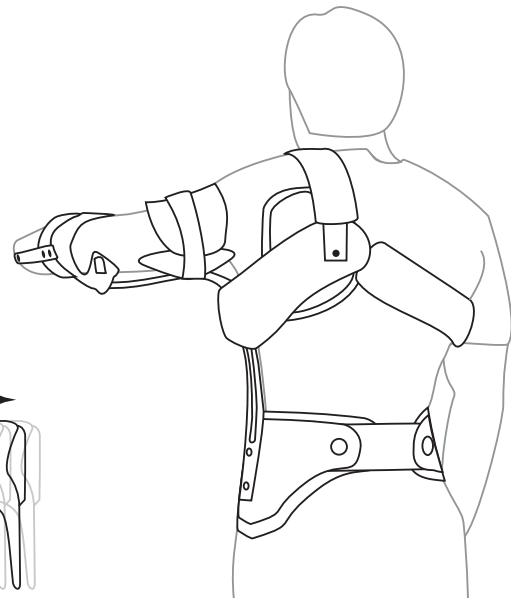
Size	Blue	Pink	White	Circumference
Pediatric SM	783.01	783.21	783.61	40-43 cm
Pediatric MD	783.02	783.22	783.62	43-46 cm
Pediatric LG	783.03	783.23	783.63	46-48 cm
Pediatric XL	783.04	783.24	783.64	48-51 cm
Adult XS	783.05	783.25	783.65	51-53 cm
Adult SM	783.06	783.26	783.66	53-56 cm
Adult MD	783.07	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)

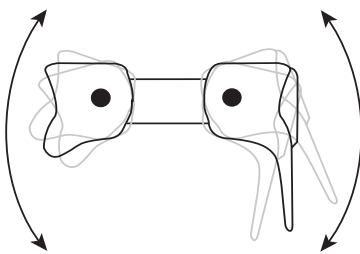


Entire arm can either be raised—usually best for rehab, or lowered—usually best for post-trauma.

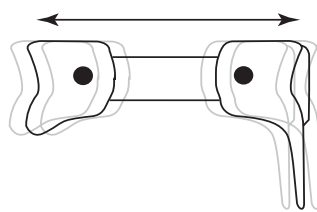


Shown with optional scapular stabilizer*

Newport 3 Pelvic Components (posterior view)



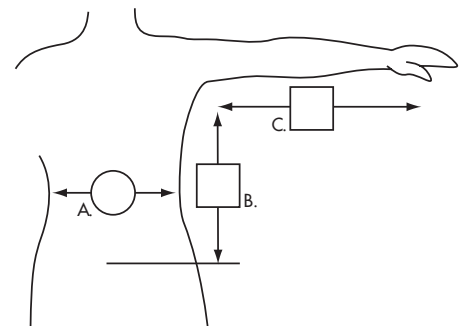
Rotational Adjustment

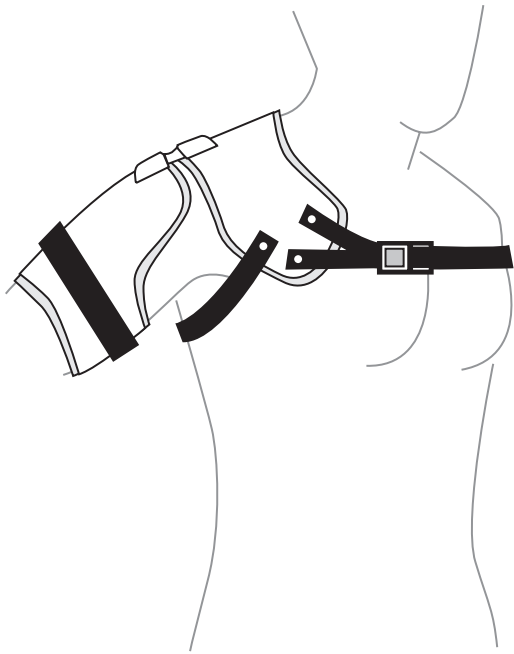


Lateral Adjustment

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

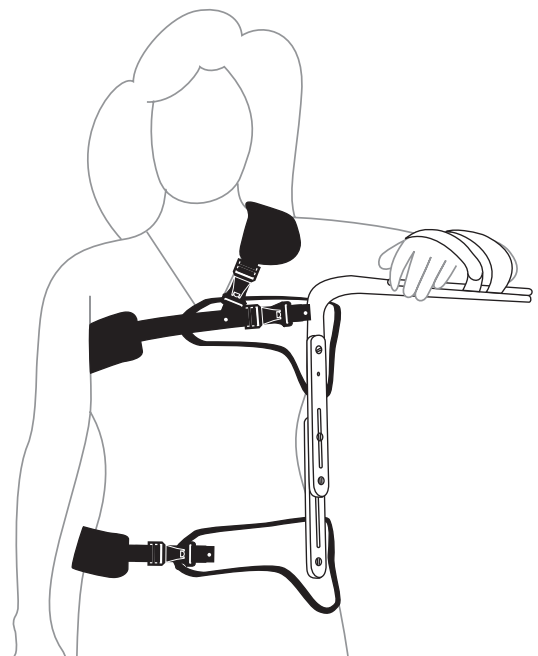
Includes adjustable arm sling. Medial Shell Option, Model # **1228.05**—upgrade charge applies

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

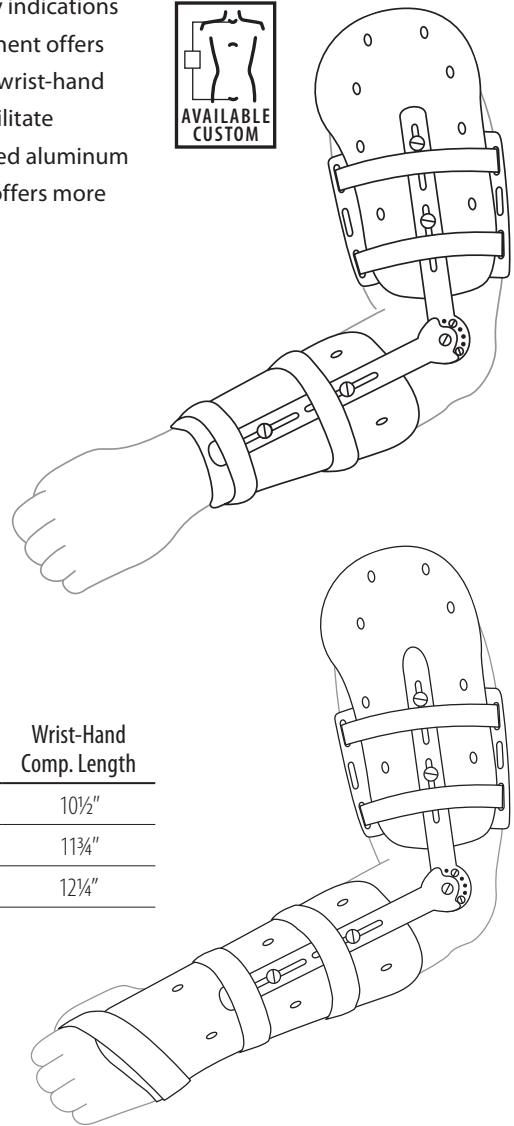
Size	Model #	Axilla to Medial Epicondyle	Axilla to Crest
Small	1150	6"-8½"	7½"- 11"
Medium & Large	1153	8½"-13"	11"-16"

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

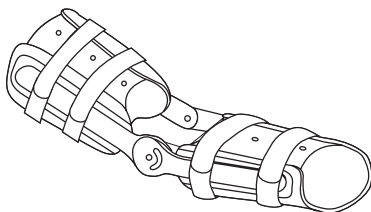
All components are interchangeable as well as available separately.

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)

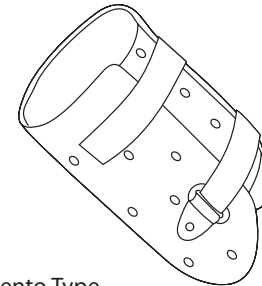
- Universal design fits left or right
- Plastic Low Profile joint is adjustable in 30° increments for desired range of motion
- Velcro® attachments facilitate individual adjustment of uprights
- Plush Colles' sock, closed-cell foam lining for comfort

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

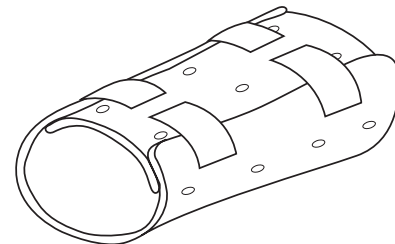
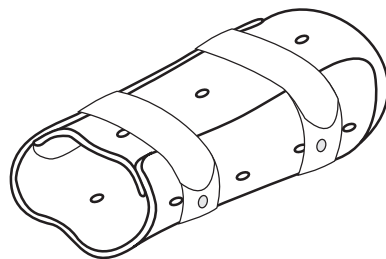
Universal Model Sarmiento Type

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.

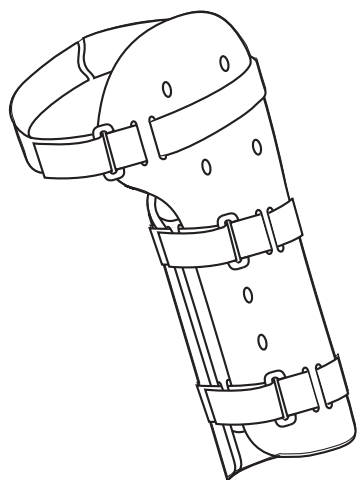
- Ultralight compression molded foam for total contact support
- Shoulder cap limits distal migration yet allows full shoulder movement
- Dual tongue design molded into medial shell for ease of adjustability and compression
- Comfortable design for increased patient compliance
- Universal, fits right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

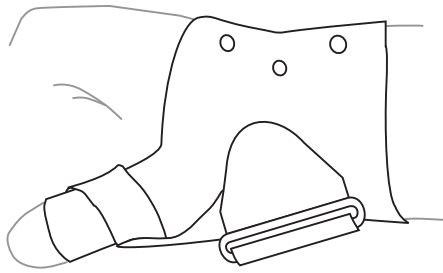


Shoulder Humeral Fracture Brace Kit Polyethylene shell for comfortable lightweight control. Can be easily trimmed to allow elbow range of motion. Foam lining and socks provide improved hygiene and comfort. Soft hook and pile suspension strap passes across chest, back, and under opposite arm. Universal,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



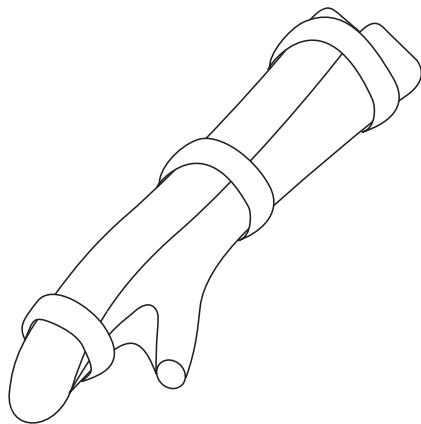
New and Improved
Thumb Spica!

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

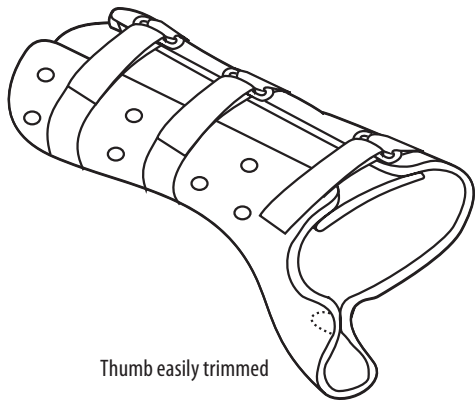
Size	Model #		Wrist Circ.	Brace Length	Model # Replacement Sock
	Left	Right			
Small	1200.01	1205.01	< 7"	4"	1209.01
Medium	1201.01	1206.01	7"-8"	5"	1209.02
Large	1202.01	1207.01	8"-9"	5"	1209.03
X-Large	1203.01	1208.01	> 9"	6"	1209.04



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

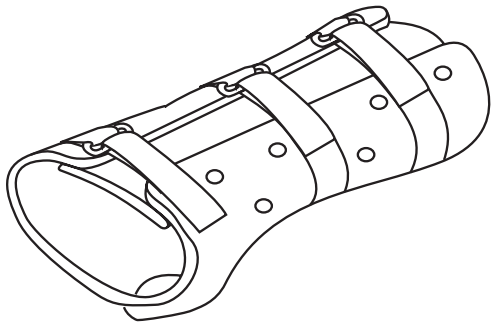
Wrist-Hand-Thumb Orthosis Anatomically shaped of low density polyethylene with closed-cell foam lining. Tongue is rigid yet comfortable for most traumatic, post-surgical, or longer term rehabilitation applications. Adjustable Velcro® straps allow for swelling and facilitate wound management. Easily trimmed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

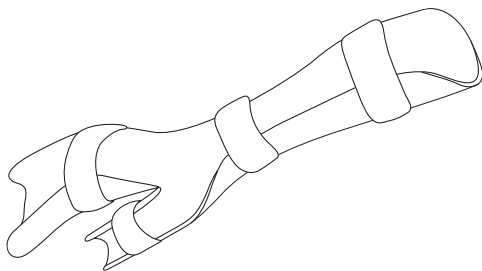
Replacement socks (2) (Model # 4135)



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"