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7/21 Literature may not reflect current  
manufacturer specifications.



## Over The Shoulder Humeral Fracture Brace 54HFB-OS

The Over The Shoulder Humeral Brace offers more support to humeral diaphyseal fractures with its proximal shoulder cap. Manufactured of trimmable polyethylene and lined with closed-cell foam, the Humeral Fracture Brace is lightweight, durable, and cannot absorb moisture.

### INDICATIONS

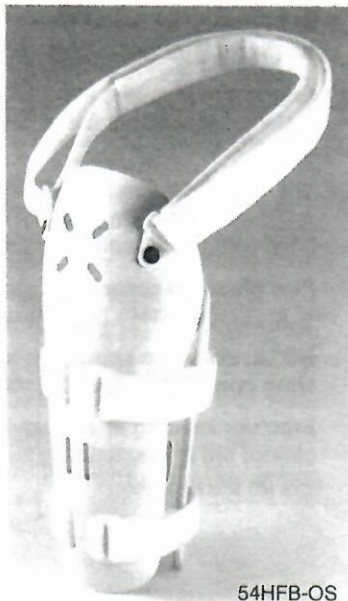
- Humeral diaphyseal fractures (mid-humeral third)
- Deep humeral bone bruises

### CONTRAINDICATIONS

- Acute pain or swelling
- A patient that is non-ambulatory

### FEATURES

- Universal design fits right or left arm
- Lined with closed-cell foam – cannot absorb moisture
- Adjustable to maintain soft tissue compression
- Economical
- Proximal shoulder cap extension offers more support, limits distal migration
- Polyethylene tongue contains soft tissue; prevents 'pinching' of skin
- Total circumferential contact
- Arm sling – universal adjustable collar and cuff design
- Lightweight, durable
- Trimmable



54HFB-OS

### SIZING

Size	Measure Mid Humeral Circ.	Product Height	Model #
Toddler	3 1/2 – 6 1/2" (8.9 - 16.5 cm)	7" (17.8 cm)	54HFB-OS-T
Child	4 – 6 1/2" (10.2 - 16.5 cm)	8" (20.3 cm)	54HFB-OS-C
Youth	5 – 8" (12.7 - 20.3 cm)	9" (22.9 cm)	54HFB-OS-Y
Ex Small	5 – 7 1/2" (12.7 - 19 cm)	11 1/2" (29.2 cm)	54HFB-OS-ES
Small	7 1/2 – 9 1/2" (19 - 24 cm)	11 1/2" (29.2 cm)	54HFB-OS-S
Medium	9 1/2" – 11 1/2" (24.1 - 29.2 cm)	11 1/2" (29.2 cm)	54HFB-OS-M
Large	11 – 15" (27.9 - 38.1 cm)	12" (30.5 cm)	54HFB-OS-L
X-Large	13 – 18" (33 - 45.7 cm)	12" (30.5 cm)	54HFB-OS-XL
XX-Large	16 1/2" – 21 1/2" (41.9 - 54.6 cm)	12" (30.5 cm)	54HFB-OS-XXL

### Application on other side...

**Limited Warranty Coverage:** Any defect in material or workmanship solely limited to the polyethylene plastic frame or metal portion or hinge mechanisms for 1 (one) year from date of purchase.

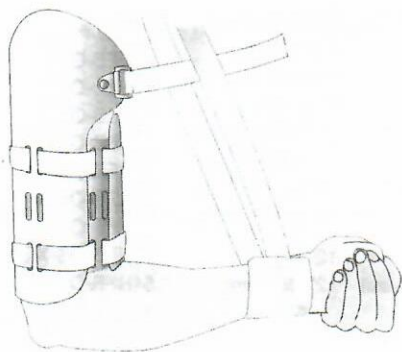
## APPLICATION

- 1) Measure mid-humeral circumference of the patient's arm for correct sizing.
- 2) Lean patient forward, either sitting or standing, so that the fractured arm is away from the rest of the upper body. Apply humeral sock by rolling over arm to extend from just below the elbow to shoulder.
- 3) Have the patient support the injured arm with the uninjured hand.
- 4) Open fracture brace widely to eliminate discomfort upon application.
- 5) With patient leaning forward with fractured arm away from the body, apply brace as high on the fractured extremity as possible. Sleeve with shoulder cap should be over the triceps muscle and shoulder.
- 6) Secure the loop and lock straps distally first, then proximally. Straps should be fastened snugly, but not excessively tight, as distal edema and discomfort may result.
- 7) The adjustable collar and cuff sling should always be used at the initial brace application to aid fracture alignment and comfort. The sling may be discarded once pain and discomfort have diminished and elbow can be extended fully.

First place the collar in position for sling attachment, then the cuff portion. The sling should always hold the elbow at 90 degrees.

**NOTE: Patient's shoulders should not be in a shrugged position at time of sling application to avoid valgus angular deformity at the fracture site.**

**Fracture bracing is not advisable for non-ambulatory patients, as gravity cannot aid in maintaining fracture alignment and necessary exercises cannot be performed.**



Over The  
Shoulder  
Humeral Fracture  
Brace and  
Arm Sling