



CarbonBased, LLC™

Engineering Orthotic Solutions

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How to Cast for a P4C0ft/sa

The application/fitting instructions for this Carbon Based, LLC product are for the use of and by certified, qualified orthopedic professionals only. Patients are not to attempt to apply or adjust any brace unless expressly instructed to do so by the orthopedic professional responsible for the prescription and/or initial fitting of the orthosis. All questions should be referred to the orthopedic professional and not to the manufacturer. The manufacturer warrants only that the enclosed orthosis has been inspected for quality and can be effective for certain indications, but final decisions and ongoing monitoring must be made by the orthopedic professional(s) prescribing and /or fitting the orthosis to determine its effectiveness for an individual patient. Patient compliance is an integral part of the entire orthotic protocol and must be adhered to in order to avoid problems and to maximize the effectiveness of the prescribed treatment.

1. Standard evaluation procedures should be followed to assess the patient's condition, activity level and history.
2. Taking photos, and /or digital scanning are excellent methods of evaluation and may be used for out come studies. Carbon Based can not accept digital scans at this time.
3. Flexibility Test: Place the palm of one hand on the chest prominence and the other hand on the patient's back opposite the hand on the chest. Compress the prominence to test flexibility of rib cage.
4. Measurement Sheet: Complete the demographic information. Follow measurement sheet landmarks to record measurements. A few tips: Do not compress tape measurer when taking circumference. When taking M-L and A-P measurements with a modified Ritz stick (Spinal Tech's M-L gauge works best) do not compress tissue and maintain Ritz stick parallel to floor and at the level of the deformity. When taking A-P measurement with Ritz stick do not allow Ritz stick blade to contact scapula-it should only touch the center of the spine and the apex of the chest deformity.
5. Make a "T" shirt from stockinet and apply to patient. With an indelible pencil outline the chest prominence and place an "X" at the apex. Index the sternal notch. Place an "X" on both nipples. Posteriorly outline the medial edges of both scapulae.
6. Tape the cut off hose down the center of the spine. Wrap 3-4 layers of fiberglass bandage around the torso from the sternal notch to the xyphoid process and posteriorly from the superior angle of the scapula to the level of the xyphoid. As the fiberglass sets, massage the chest prominence to enhance definition and posteriorly, massage between the scapula to define their medial edges.
7. Remove the cast, secure the seam with tape or plaster bandage. Ship the cast, measurement sheet , copy of prescription and any photo's to:

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