

Scotty



Fabrication Instructions For
“Scotty” Free Motion Ankle Joint

Fabrication Instructions for the Scotty Articulating Ankle Joint



The key to the function of the Scotty ankle joints comes from the proper placement and alignment of the joints on the positive mold. Here are some suggestions that can help to achieve this goal.

1. Prior to applying the casting material care should be taken to mark with an indelible pencil the distal tip of the medial and lateral malleolus, and desired placement of the ankle joint centers.
2. If you wish to use the threaded positioning rod, this should be applied through the ankle joints center axis prior to filling the negative cast. Proper placement of the rod will help insure correct alignment of the ankle joints.
3. The mold is filled with molding plaster.
4. Modify mold as desired, the threaded rod may be removed during this process.
5. Thread the provided hex nut on both the medial and lateral sides of the threaded rod, tighten the hex nuts against positive mold.
6. Disassemble and contour proximal and distal bars to mold.
7. Attach and tighten down ankle joint with the two additional hex nuts.
8. Remove excess threaded rod.
9. Prior to vacuum forming, the space between the joints and positive mold should be filled with clay to prevent the plastic from forming completely around the ankle joint.
10. Vacuum form positive mold.
11. Mark trim lines and remove from positive mold.
12. Mark ankle joint centers and cut through the posterior aspect of the plastic through the ankle joints axis. **Note:** You may want to mark the ankle joints medial or lateral to avoid confusion during the final assembly.
13. Finish plastic edges.
14. Reassemble ankle joints.
15. Mark and drill the proximal and distal attachment holes with appropriate drill bit.
16. Attach joints into the plastic using the attachment screws provided.
17. Remember to always use loc-tite on all screws used in final assembly.

Scotty Ankle Joint Includes:

- 1 Pair of Scotty Ankle Joints
- 8 8/32" x 5/16" Phillips truss head attachment screws S.S. (Scotty Long)
- 8 8/32" x 5/16" Phillips truss head attachment screws S.S. (Heavy Duty)
- 6 8/32" x 5/16" Phillips truss head attachment screws S.S. (Scotty Short)
- 4 8/32" x 5/16" Phillips truss head attachment screws S.S. (Scotty Ped.)
- 4 Hex Nut for Fabrication
- 2 Fabricating Nails
- 1 Threaded Rod
- 1 Polyurethane Cord (for Posterior Stop)

Accessories:

- Polycord Rod Stop (included in kit)
- Scott Bumper Stop
- Scott Adjustable Stop

Models 780 & 781

		Dimensions			
Order	Description	X		Y	
780-L	Large Scotty Ankle Joint Kit	1/2"	13mm	3"	76mm
780-S	Small Scotty Ankle Joint Kit	1/2"	13mm	2-1/2"	64mm

		Dimensions			
Order	Description	X		Y	
781-L	Large Scotty Econoline Kit	1/2"	13mm	3"	76mm
781-S	Small Scotty Econoline Kit	1/2"	13mm	2-1/2"	64mm



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