RIDGEFLEX

RFS-200

RIDGEFLEX ANKLE JOINT
STANDARD

stngco.com

PRFS-200

RIDGEFLEX Ankle Joint - Standard

PRFS-200

CORPORATE OFFICE
2691 Saturn Street | Brea, CA 92821
Tel: (714) 524-0663 | Fax: (714) 364-8113

STRG CORPORATION
Rm. 911 42, Yangsan-ro
Yeongdeungpo-gu, Seoul, Korea

MOSS GmbH
Schiffgraben 41 | 30175 Hannover, Germany

CE Conformity

This product meets the requirements Council EU 2017/1745 (MDR).

for medical products. This product has been classified as a class I product according to the classification criteria outlined in appendix IX of the guidelines. Please keep this manual in safe place for future use.

MD

Useful Life

Service life of the product is covered by the warranty period.

Disposal

The device and its packaging must be disposed of in accordance with respective national/local environmental regulations.

PRFS-200 IFU REV B (5-1-25)

STRYKER USA CORPORATION

2691 Saturn Street | Brea, California 92821, USA
T (1) 714-524-0663 | **F** (1) 714-364-8113
E info@stngco.com

stngco.com

Made in the U.S.A

RIDGEFLEX

FABRICATION INSTRUCTIONS

An optimized cavity will promote the fit and function of the RidgeFlex Joints and it is recommended to always fabricate using the RidgeFlex Molding Dummies. Cutting the articulation area of the AFO plastic should be done according to the recommended trim lines, but the width of the cut, for the most part, is not too critical. The Molding Dummy must be utilized to form the cavity for Free Motion or Dorsiflexion Assist Joints.

⚠ NOTICE: Using the Ridgeflex Joints to form the joint cavities is NOT recommended!

⚠ NOTE: Not recommended trim line shown!
Refer to next page diagram

Mold and Dummy Prep for Vacuum Forming

1. The rectified mold should be ready to pull to incorporate the needed support and to provide adequate clearances.

2. Determine joint locations and attach molding dummies. Position the molding dummies so the mid-point is located on or near the desired axis of joint motion. Install using nails provided (trim length if needed). Either mechanical (line of progression) or anatomical joint alignment can be chosen for joint placement. The RidgeFlex joints will compensate to a bind free single joint axis.

⚠ Note: If the cast is dry, spray adhesive can be utilized to mount the fabrication dummy. Apply tape directly to the cast, (apply nylon hose – if necessary, and apply a 2nd application of spray over 1st nylon). Mount the dummy over the tape, and apply nylon hose. This will simplify removal of the cut plastic from the cast. This was done on this demonstration.

⚠ Important! If there is moisture, spray adhesive will not adequately adhere to the cast and the dummy will float during the plastic pulling stage, and it would be advised to apply with included nails.

Fig. 1 RidgeFlex Molding Dummy and included nails

Fig. 2 Mount dummy to cast (see note above)

Fig. 3 Pull plastic over cast and dummy

3.Pull thin nylon vacuum forming hose over mold and then apply the dummy with nails provided. (Fig. 2 Molding dummies can be positioned wherever you prefer to locate the joint axis.)

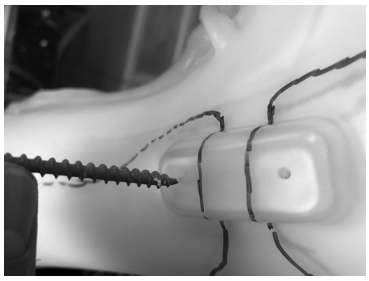
4.Vacuum form or laminate to form the orthosis shell. (Fig. 3)

5. Allow thermoplastic to cool and harden. Now is a good time to indicate the mounting hole location in the plastic. (Fig.4)

Indicate the center of the nail head and dimple the plastic with a sharp object (a screw point was used in this case Fig. 5).

Remove the AFO shell from the mold in one piece. An ideal, well formed cavity is formed tightly to securely anchor the joint.

Fig. 4 Note the hole in the dummy through the plastic and trim line



NOTE: This is is not the recommended trim line!

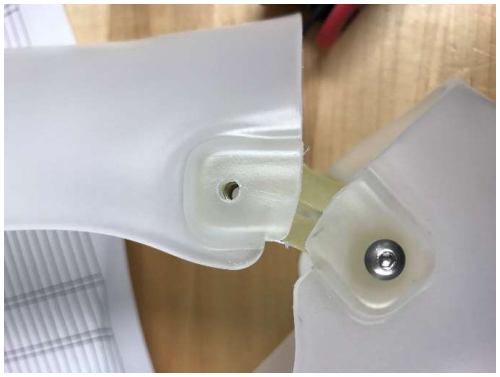
Fig. 5 Indicating hole with a dimple.

6.Rough cut AFO for removal from mold – Do not cut through ankle at this time, or damage to the dummy will occur.

7.Remove AFO from mold.

8.After removal of the fabrication dummy, cut to separate the foot section from the calf section. Optimal cavity formation promotes superior coverage surrounding the joint body giving it maximum support, anchorage in the orthosis, and the ability of the RidgeFlex Joint to provide the best rotational control.

9.Drill out the hole that was indicated, using a 9/32" drill bit.



NOTE: Dorsi-flexion joint shown. Cavity can fit either joints

10.Install the joints into the cavities with the screws supplied. The anchor nut comes pre-bonded to the RidgeFlex joint for easy installation. Use a thread locker to prevent the hardware from loosening. Loctite® 242 removable is recommended. Cover exposed interior of joint with included adhesive cover.