

Matrix Composite Struts

Use your creativity to design a custom AFO for your patient

- Prepreg composite struts for manufacturing custom posterior leaf spring type AFOs
- Available in three widths, each with three levels of flexibility or firmness
- 18" (45 cm) long – trim to required length
- Provides excellent mediolateral stability similar to a rigid ankle type AFO while still allowing graded plantarflexion and dorsiflexion

Indications: patients requiring custom posterior leaf spring AFO for a variety of conditions.

Selection: There are no specific weight limitations to each product. Choose the width and flexibility based on your patient assessment by considering patient leg length, patient weight as well as strut width and length. A shorter and wider strut will be stiffer; a longer and narrower strut will be more flexible.

FH265 40 mm	FH265-S	FH265-M	FH265-F
FH255 30 mm	FH255-S	FH255-M	FH255-F
FH245 25 mm	FH245-S	FH245-M	FH245-F
Width ↑ Firmness →	Soft	Medium	Firm

Increasing firmness to better control



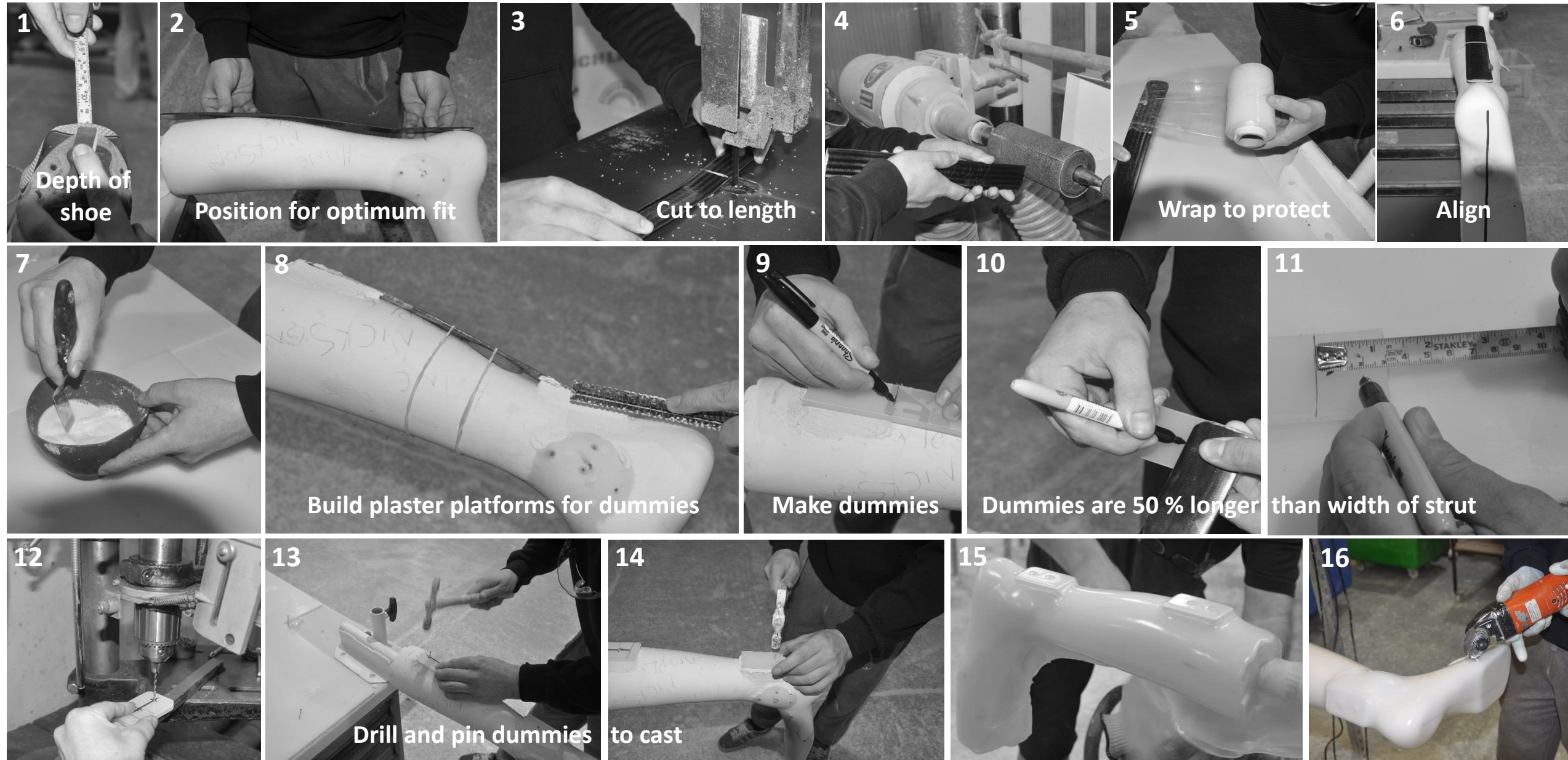
For more information, contact your distributor:

SPS: 1 800 767 7776

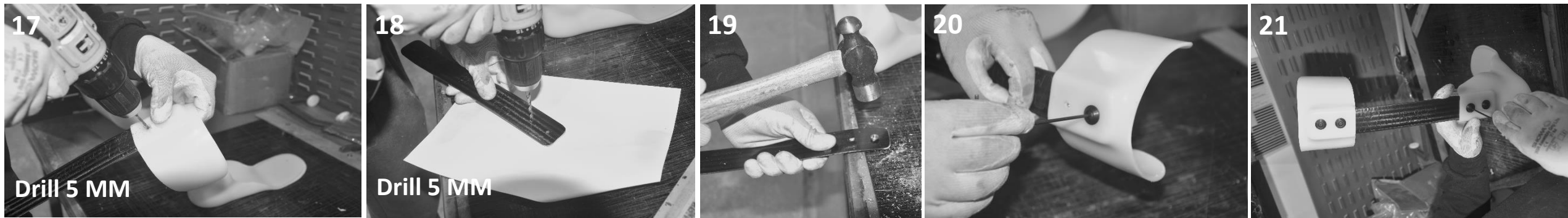
Cascade: 1 800 888 0865

PEL: 1 800 321 1264

Matrix Composite Strut instructions for AFO manufacture



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- Measure depth of shoe and mark on cast. This determines distal strut position.
- Position strut for optimum fit and cut to length.
- Wrap strut to protect it, and build plaster platforms to achieve required clearance and alignment.
- Cut dummies from polypropylene to match strut width and thickness, and pin to cast.
- Vacuum mould in suitable plastic. Consider strut stiffness when selecting plastic type and thickness.
- Trim and finish plastic components. Trim lines can be extended either medially and/or laterally to gain stability.
- Drill through plastic and strut with 5 MM drill bit.
- Tap inserts into strut and assemble using washers and screw provided.
- Strap and pad.

The Matrix composite strut can not be modified by applying heat.

When drilling and sanding the Matrix composite strut, use dust extraction and/or wear a suitable protective dust mask.

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Tips on how the trimline and the attachment points can significantly affect function

