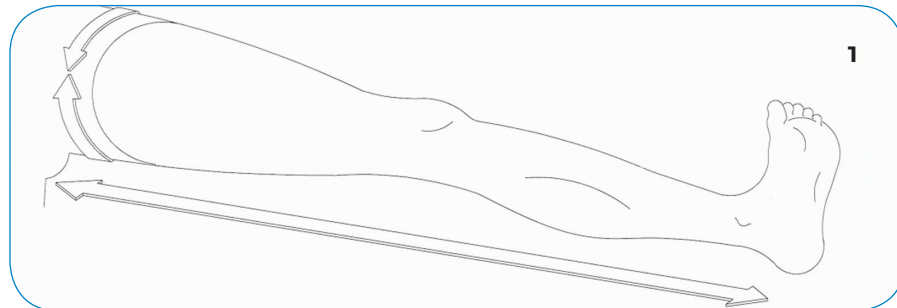


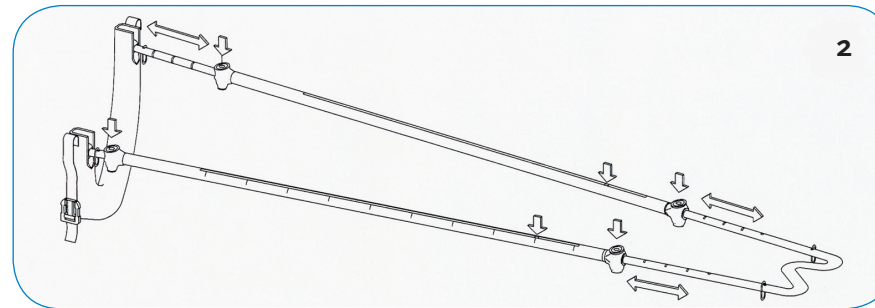
# THOMAS SPLINT FITTING INSTRUCTIONS



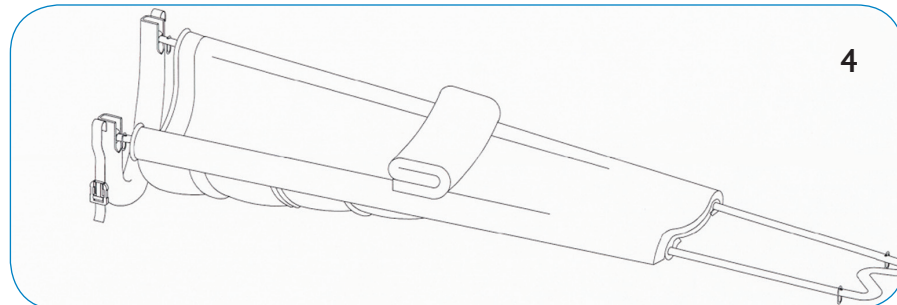
Selecting the correct sized splint and hoop is made easier as the system is designed to be adjustable. See brochure for sizing on both splint and hoops. The splint itself comes in two sizes termed adult and paediatric although the adjustment range does mean that the adult version will cater for large paediatrics and the paediatric version will suit small adults. There are six hoop sizes that cover the range and generally the four smallest will suit paediatrics whilst the four largest will suit adults thus giving an overlap of the middle two sizes.



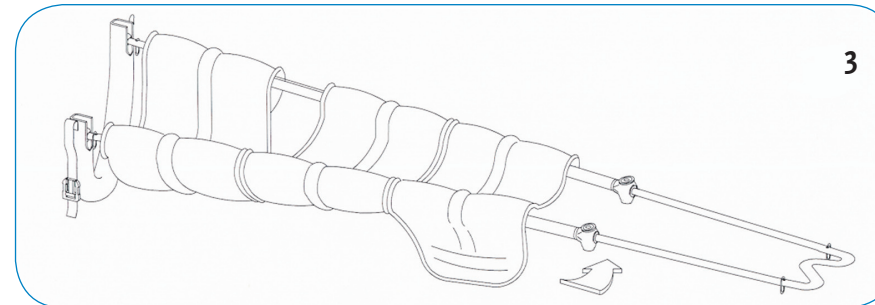
**1. PATIENT MEASUREMENT** - Measure the patient's uninjured leg for both inside leg and thigh dimensions. Select the splint and hoop size to suit. The design of the hoop and wrap assembly naturally allows adjustment to cater for swelling.



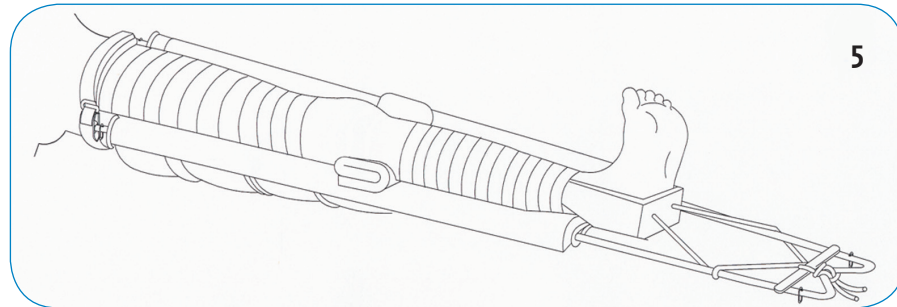
**2. SPLINT ADJUSTMENT** - Having selected the Thomas splint, adjust the length to suit the inside leg measurement ensuring that both sides are adjusted to the same length. Length increments in both inches and centimetres are marked on the sides of the outer tubes and the small cap head screw acts as an indicator of length. Following this, attach the hoop by inserting both rods into the housings on each end of the outer tubes. Having inserted the rods to their maximum penetration ensuring that both have 'clicked' positively into position, the splint can then be adjusted to suit either right or left leg application by extending the appropriate side to obtain an angle of approx 20 to 30 degrees. Once again ensuring that a positive 'click' is heard confirming correct positioning.



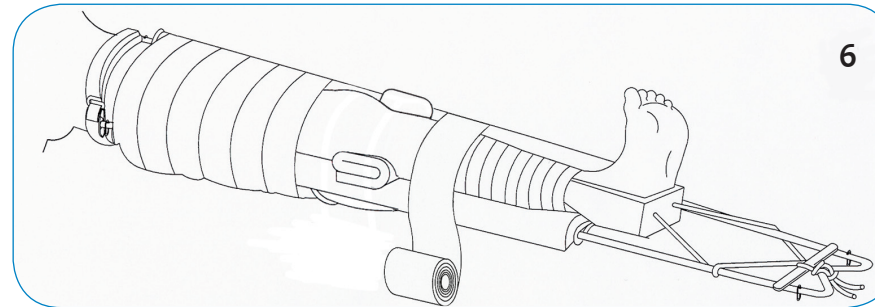
**4. SPLINT PREPARATION (CONTINUED)** - From the traction kit, select the two packs of gamgee padding. The longest piece should be placed along the full length of splint directly on top of the slings and trimmed in size to suit. The smaller piece of gamgee is to be folded into a pad and positioned to act as fulcrum behind the knee to keep it in slight flexion.



**3. SPLINT PREPARATION** - From the traction kit, select the fabric slings provided and starting from the top drape each one in turn over the outer tubes to form a trough, securing each on the underside with the (Velcro®) closure until a length commensurate to that of the leg is achieved. Eight slings are provided, four large and four medium. It may be beneficial to tether the first sling to the hoop wrap with a couple of strips of Velcro® hook from the pack provided.



**5. POSITIONING OF LEG IN SPLINT** - Having applied the skin traction, the leg can now be placed onto the prepared splint. The hoop with wrap attached should reach the ischial tuberosity and the strap adjusted to allow the buckle to be fastened comfortably around the leg. With this completed, the foot should automatically find its position relative to the end of the splint, allowing room for the traction system to be completed using normal conventions and finally tying the cords to the end of the splint. A windlass is provided for use in taking up slack.



**6. SECURING LEG INTO THE SPLINT** - After the traction cords have been attached, the splint can be raised temporarily on a pillow whilst the leg is bandaged using the crepe bandages supplied. The gamgee pad can be positioned as described in instruction 4. Following this final bandaging procedure the splint with leg encased can be supported by any one of a number of overhead 'pulley and cord' systems. Cord eyes, four in total, positioned at either end of both side supports can be used for attaching the pulley cords. For extra support, the cord should be entered through the cord eye and under the rod that holds the cord eye. Special attention should be paid to slings and padding on and around both the Achilles and heel areas in order to guard against impending pressure sores.

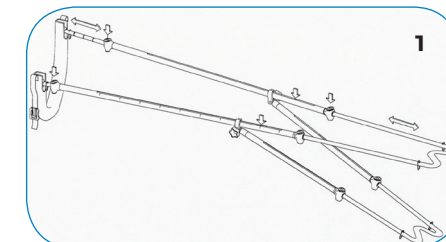
Cleaning information: hand wash / air dry

## PEARSON ATTACHMENT FITTING INSTRUCTIONS

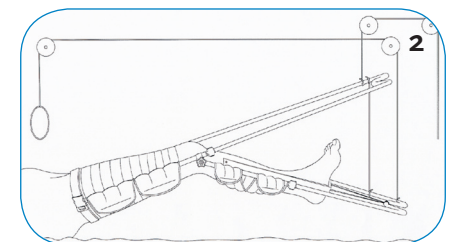


Easily adjustable to a number of leg lengths, the Pearson attachment can be added to the Thomas Splint to offer earlier mobilisation for your patient.

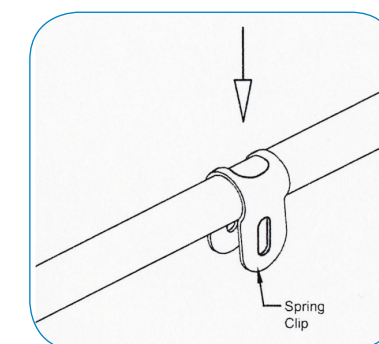
### Assembly Procedure for Pearson Attachment to the Thomas Splint



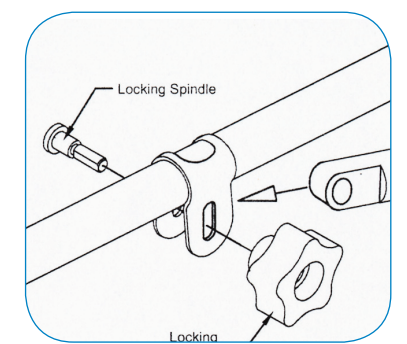
**1. PEARSON KNEE FLEXION ATTACHMENT** - Early mobilisation, as advised by the medical professional, can be achieved by using a Pearson knee flexion attachment that is specifically designed for use with the Thomas splint. The attachments come in two sizes, adult and paediatric and are adjustable to match exactly the extended format of the Thomas splint that it is intended to be used in conjunction with.



**2. POSITIONING OF LEG IN PEARSON ATTACHMENT** - It is secured to the outer tube on either side of the splint with adjustable clamps in the areas adjacent to the knee axis. Subject to the type of traction being used the appropriate slings and the traction system are transferred from the Thomas splint to the Pearson attachment. Once again subject to the type of overhead pulley system being used an adjustable cord may be used to gradually advance the range of permissible knee flexion and a further cord provided to allow the patient to assist knee flexion manually.



The Pearson Attachment comes with the spring clip, locking spindle and locking knob loosely pre assembled. To attach the Thomas Splint carefully disassemble the parts and 'snap' each of the spring clips over the outer tubes of the Thomas Splint with the slotted sides facing away from the splint.



Offer up the Pearson Attachment and pass the locking spindles through the spring clips and spigot ends of the attachment so that the screw thread of the spindles protrude through the slots in the outer sides of the spring clips. Attach the locking knobs and loosely tighten, position device as described previously and tighten both locking knobs to secure in position.

Hoop sizing guide for thigh circumference.

Thigh Circ.  
Thigh hoop code  
Thigh cover code

Up to 33cm  
(TSH1)  
TSHC1

34 - 40cm  
(TSH2)  
TSHC1

40 - 48cm  
(TSH3)  
TSHC2

48 - 60cm  
(TSH4)  
TSHC2

60 - 75cm  
(TSH5)  
TSHC3

75 - 90cm  
(TSH6)  
TSHC4

