

# Delfi PTS Tourniquet Cuffs Selection & Application Guide



## Recommended Tourniquet Cuff Selection

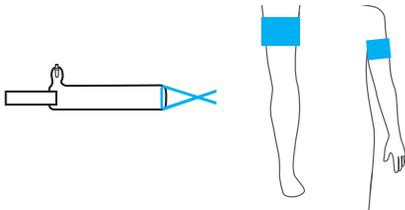
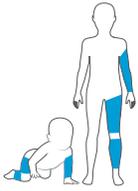
- Determine the patient's limb shape using diagrams below, then measure the limb circumference. For cuff size selection, next refer to the Limb Circumference Charts.
- To ensure the selected cuff is the correct size for the patient, verify there is sufficient overlap for the Secondary Fastener (located on underside) to fully engage with the loop material on surface of the cuff. Secondary Fasteners provide added stability to the cuff during use.

### Cylindrical & Tapered

Neonate to Adolescent, and Small Adult Limbs

Select a Pedi-Fit or Petite-Fit Cuff and Matching Limb Protection Sleeve

For neonates, children, and adults with small limbs, select a cylindrical cuff having the most appropriate width for surgical exposure.

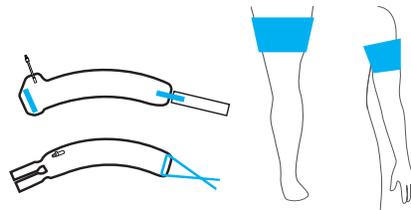
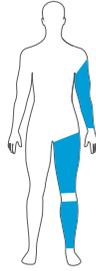


### Tapered

Adult Limbs

Select an Easi-Fit or Vari-Fit Contour Cuff and Matching Limb Protection Sleeve

A unique contour shape and pivoting fasteners allow the cuff to conform to a variety of tapered (conical) limb shapes.

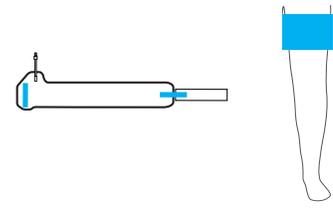


### Cylindrical

XL Adult Limbs

Select an Easi-Fit Cylindrical Cuff and Matching Limb Protection Sleeve

A cylindrical cuff provides the best fit for cylindrical shaped and bariatric limbs.



WARNING: For Delfi's PTS tourniquet instruments and cuffs, always follow manufacturer's detailed instructions.

## Recommended Tourniquet Cuff Application

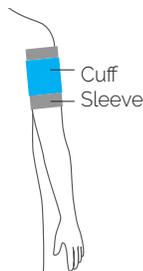
This Guide was prepared in consultation with James McEwen, PhD, the inventor of automatic tourniquets, to summarize relevant published guidelines and recommendations.\*

Select the most appropriate tourniquet cuff considering limb size and shape, and the specific procedure:

- Cuff shape should allow a snug fit along both proximal and distal edges.
- Cuff width should be the greatest width that still assures recommended distances from cuff edges to limb joints and surgical site.
- Cuff length should be the minimum that assures overlap around the limb sufficient to fully engage fasteners.

Use limb protection, ideally a sleeve specifically matched to the selected cuff.

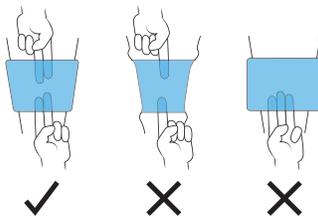
A limb protection sleeve matched to the size and shape of the selected cuff provides the best protection against skin wrinkling, bruising and other soft tissue injuries to the limb beneath the cuff.\*



Apply the selected tourniquet cuff snugly on the limb, over limb protection.

A snugly applied cuff allows two fingers easily under the cuff at both proximal and distal edges. If only one finger fits, the cuff is too tight; if three fingers fit, the cuff is too loose.

A loose cuff will require higher pressure to stop blood flow and may slide to an unsafe position on the limb during use. A tight cuff could impede venous return of blood from the limb even when deflated.



After cuff application, the limb distal to the cuff should be exsanguinated by elastic bandage or elevation, as determined by the surgeon.

An automatic tourniquet instrument with modern safety features and audio-visual alarms should be used with the cuff.

The optimum tourniquet pressure for each patient and cuff application can be set or checked by measuring Limb Occlusion Pressure (LOP).\*

Intraoperative monitoring of tourniquet safety parameters reduces the risk of complications. During the procedure, it is important to monitor tourniquet pressure and time, and to minimize both.

Upon final deflation of the tourniquet, the tourniquet cuff and underlying limb protection should be immediately removed from the limb.

\* Refer to [www.tourniquets.org](http://www.tourniquets.org) for an expanded guide and relevant references.

WARNING: For specific tourniquet instruments and cuffs, always follow manufacturers' instructions.