

Sizing Chart



Choosing the correct size XtremityTT Preform is critical for fabrication and performance. XtremityTT Preforms are available in Standard and Conical Profiles. Sizing is determined using 3 measurements and the chart below.

Scan here for the sizing video tutorial.



1

Distal Circumference

Circumferential measurement 4cm from distal end to determine socket size.

2

Length

Length measurement from MPT to distal end.

Note: Limb length not to exceed 29cm from most proximal trimline to distal end of model.

3

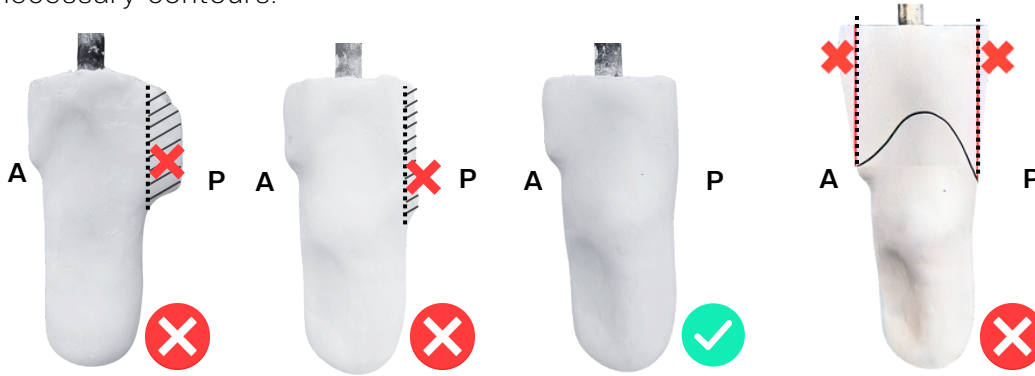
Proximal Circumference

Circumferential measurement at MPT. Determine socket profile, Standard or Conical.

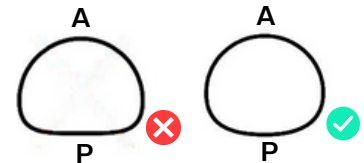
1. Distal Circumference	SIZE 26 Distal 26-28.9 (cm)		SIZE 29 Distal 29-31.9 (cm)		SIZE 32 Distal 32-34.9 (cm)		SIZE 35 Distal 35-37.9 (cm)
	3. MPT Circumference (cm)						
2. Limb Length: MPT to Distal End (cm)	Standard	Conical (+)	Standard	Conical (+)	Standard	Conical (+)	Standard
7	26.0 - 28.5	28.5 - 30.4	28.0 - 30.0	30.0 - 33.0	31.6 - 34.5	34.5 - 37.2	34.4 - 39.5
8	26.2 - 29.0	29.0 - 31.1	28.2 - 31.0	31.0 - 33.6	31.8 - 35.0	35.0 - 37.7	34.7 - 39.8
9	26.5 - 29.5	29.5 - 31.8	28.5 - 31.5	31.5 - 34.2	32.0 - 35.0	35.0 - 38.3	35.0 - 40.2
10	26.9 - 30.0	30.0 - 32.5	28.7 - 31.5	31.5 - 34.7	32.2 - 35.5	35.5 - 38.8	35.2 - 40.5
11	27.2 - 30.0	30.0 - 33.2	29.0 - 32.0	32.0 - 35.3	32.4 - 35.5	35.5 - 39.4	35.5 - 40.8
12	27.6 - 30.5	30.5 - 33.8	29.2 - 32.5	32.5 - 35.9	32.6 - 36.0	36.0 - 40.0	35.8 - 41.2
13	27.9 - 31.0	31.0 - 34.5	29.5 - 32.5	32.5 - 36.4	32.8 - 36.0	36.0 - 40.5	36.0 - 41.4
14	28.2 - 31.5	31.5 - 35.2	29.7 - 33.0	33.0 - 37.0	33.0 - 36.5	36.5 - 41.1	36.3 - 41.8
15	28.6 - 32.0	32.0 - 35.9	29.9 - 33.5	33.5 - 37.6	33.2 - 37.0	37.0 - 41.7	36.6 - 42.1
16	28.9 - 32.5	32.5 - 36.6	30.2 - 33.5	33.5 - 38.1	33.4 - 37.5	37.5 - 42.2	36.8 - 42.4
17	29.2 - 33.0	33.0 - 37.2	30.4 - 34.0	34.0 - 38.7	33.6 - 38.0	38.0 - 42.8	37.2 - 42.7
18	29.6 - 33.5	33.5 - 37.9	30.7 - 34.5	34.5 - 39.3	33.8 - 38.0	38.0 - 43.4	37.4 - 43.0
19	29.9 - 34.0	34.0 - 38.6	30.9 - 35.0	35.0 - 39.8	34.0 - 38.5	38.5 - 43.9	37.7 - 43.4
20	30.3 - 34.5	34.5 - 39.3	31.2 - 35.0	35.0 - 40.4	34.2 - 39.0	39.0 - 44.5	38.0 - 43.7
21	30.6 - 35.0	35.0 - 40.0	31.4 - 35.5	35.5 - 41.0	34.4 - 39.0	39.0 - 45.0	38.2 - 44.0
22	30.9 - 35.5	35.5 - 40.6	31.7 - 36.0	36.0 - 41.5	34.6 - 39.8	39.8 - 45.6	38.5 - 44.3
23	31.3 - 36.0	36.0 - 41.3	31.9 - 36.7	36.7 - 42.1	34.8 - 40.0	40.0 - 46.2	38.8 - 44.6
24	31.5 - 36.0	36.0 - 42.0	32.2 - 37.0	37.0 - 42.7	35.0 - 40.3	40.3 - 46.7	39.0 - 44.9
25	31.9 - 36.5	36.5 - 42.7	32.4 - 37.3	37.3 - 43.2	35.2 - 40.5	40.5 - 47.3	39.3 - 45.2
26	32.3 - 37.0	37.0 - 43.4	32.7 - 37.5	37.5 - 43.8	35.4 - 40.7	40.7 - 47.9	39.6 - 45.5
27	32.6 - 37.5	37.5 - 44.1	32.9 - 37.5	37.5 - 44.4	35.6 - 41.0	41.0 - 48.4	39.9 - 45.9

1 LIMB MODEL PREPARATIONS FOR PROPER SIZING AND FABRICATION

Remove all proximal brim buildups and excess plaster proximal to the trimlines to prevent overstretching of the Preform and decrease resistance to achieving distal contact while pulling. If a posterior shelf is desired, trim the posterior trimline at least 6mm proximal to MPT and flare the finished socket for necessary contours.



Maintain a rounded shape in general and avoid a large flat posterior surface.



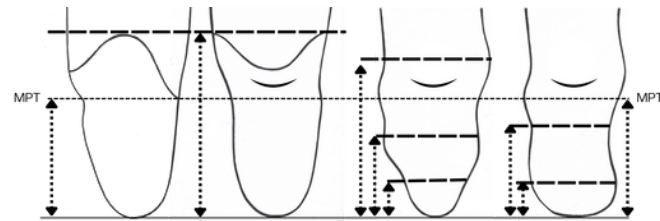
Scan for sizing calculator.



2 CHOOSE CORRECT SOCKET SIZE

Measurements are to be taken over the modified limb model, not the patient's residual limb. If using an XtremityTT FLEX, take measurements over the molded FLEX, OR add 2cm to the circumferential measurements of the modified limb model, and 4mm to the length measurement before referencing the chart to determine the socket size.

* Take additional circumferential measurements at the most proximal trimline and at levels with limb abnormalities to reference with the corresponding lengths on the sizing chart. If all measurements do not fall within the same size Preform, this limb may not be a good candidate for the XtremityTT Socket, unless additional modifications can be made to the limb model.



3 HAND PLACEMENT WHEN SHAPING SOCKET

Place all 4 fingers of each hand inside the Preform on the anterior and posterior aspect of the Preform and pull downward until it will not slide any further. (Fig. 3) Place the Base Plate into the Distal Base of the socket and press down with one hand while massaging the Distal Base transition to ensure no bulging occurs (Fig. 4). Confirm distal contact is achieved. There should be no wrinkles in the socket surface.



Figure 3



Figure 4

4 PROXIMAL BRIM

The anterior trimline must be at least 2.5cm proximal to MPT. Finished posterior brim height shape should be at MPT level (Fig. 1). Ensure that the posterior brim corners provide smooth, generous curves for hamstring reliefs that seamlessly connect to the gradually sloping medial and lateral walls (Fig. 2). Proximal edge must be smooth, with no nicks or discontinuities.

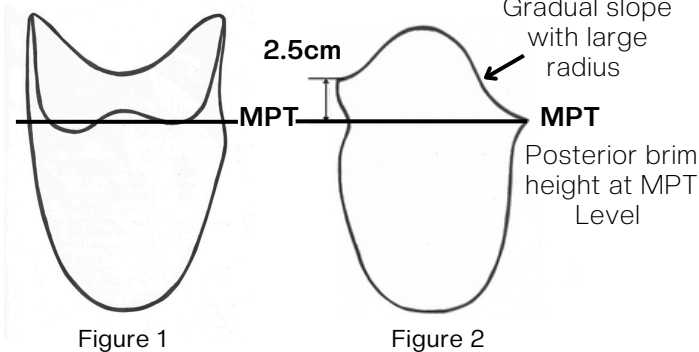


Figure 1

Figure 2