

Soft Tissue

Spec Book





How we measure our soft tissue allografts:

At MTF, we take precise care in accurately capturing and recording all dimensions and aspects of our allograft tendons. Two key dimensions of a soft tissue allograft are its *folded diameter* and its *diameter*. On the following page, we've illustrated our methods for determining those measurements.

To capture a folded diameter, we place a suture on top of the tendon mid-way down its length, then fold it in half over the suture. (*See figure 1.*) Using minimal force, we advance the front part of the tendon (nearest to the suture) into sequentially smaller diameter holes until the tendon is visible from the hole. (*See figure 2.*)



Figure 1. The tendon is folded over a suture.

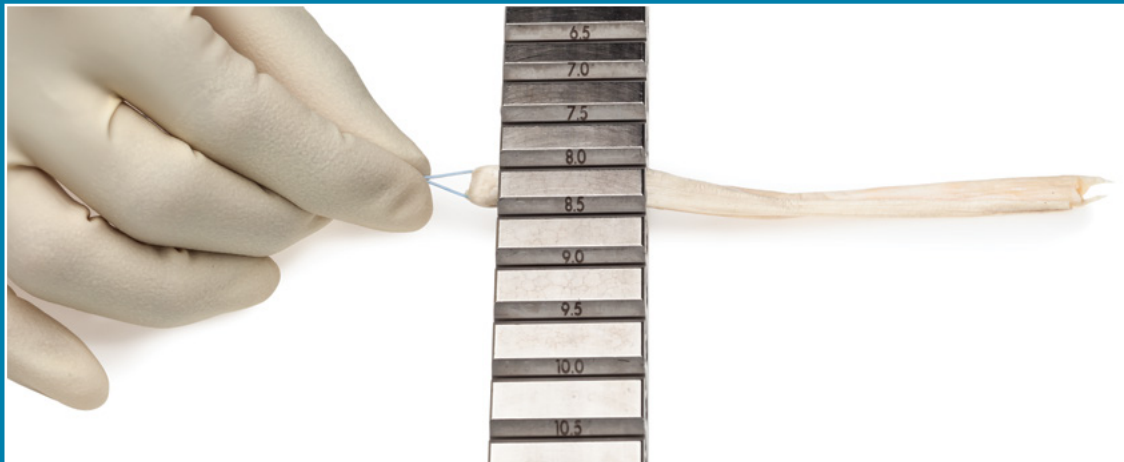


Figure 2. The tendon is advanced through the hole in the gauge for folded diameter measurement.

For measuring the unfolded diameter of the tendon, we take a similar approach to our folded diameter method. Using a force clamp, we secure the end of the tendon and advance it through sequentially smaller holes in a gauge until the tendon can no longer be pulled through. (See figures 3 and 4.)




Figure 3. The tendon is advanced through the gauge unfolded for the diameter measurement.




Figure 4. The tendon is fitted through the gauge opening for the diameter measurement.

Allograft Tendons


Anterior Tibialis Tendon

W 	Frozen Order No.	L	W	FD	D
	430335	22-38cm	6-12mm	6-12mm	3-12mm


Posterior Tibialis Tendon

W 	Frozen Order No.	L	W	FD	D
	430340	22-38cm	6-12mm	6-12mm	3-12mm


Peroneus Longus Tendon

W 	Frozen Order No.	L	W	FD	D
	430345	22-38cm	6-12mm	7-12mm	3-12mm

Semitendinosus Tendon

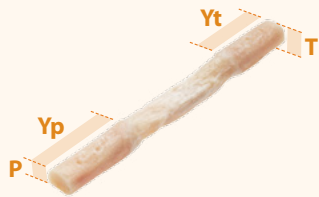
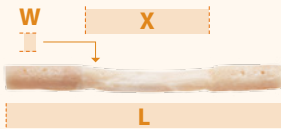
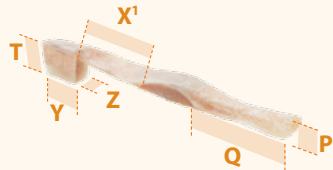
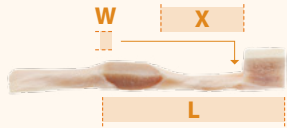
W 	Frozen Order No.	L	W	FD	D
	430350	26-38cm	3-10mm	3-12mm	3-12mm
	430355	22-25.9mm	3-10mm	3-12mm	3-12mm

Gracilis Tendon

W 	Frozen Order No.	L	W	FD	D
	430300	22-38cm	3-10mm	3-12mm	3-12mm

Allograft Tendons with Bone Blocks

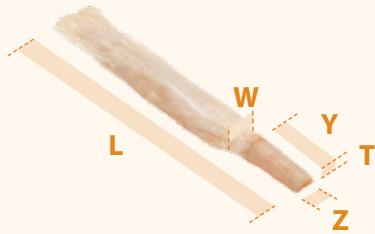
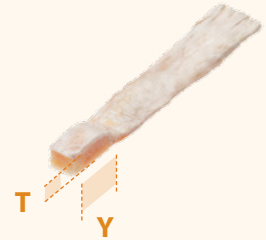
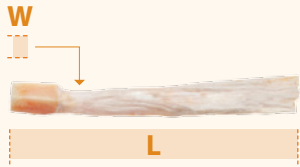
Patella Bone-Tendon-Bone



Frozen Order No.		L	W	X	Z	Q	Y	T
430005	Hemi w/ Quadriceps	8-14cm	10-13mm	30-60mm	7-13mm	30-80mm	25-30mm	10-13mm
430010	Hemi w/ Quadriceps	8-14cm	13-30mm	30-60mm	7-25mm	30-80mm	25-30mm	16-30mm
430034	Whole w/ 5cm Quadriceps	13-20cm	13-40mm	30-80mm	7-30mm	50-80mm	80-85mm	16-30mm
430036	Whole w/ 8cm Quadriceps	13-20cm	13-40mm	30-80mm	7-30mm	80-100mm	80-85mm	16-30mm
Frozen Order No.		L	W	X	Yt	Yp	T	P
430007	Hemi w/ Shaped Bone Blocks	8-13cm	9.5-10mm	30-53mm	25-27mm	25-27mm	6-8mm	6-8mm
Frozen Order No.		L	W	X	T	Y	Z	P
430015	Hemi w/o Quadriceps	8-14cm	13-30mm	30-53mm	16-30mm	25-30mm	7-25mm	7-20mm

Allograft Tendons with Bone Blocks



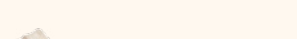
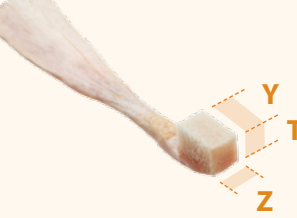
Quadriceps Tendon



Frozen Order No.		L	W	Y	T	Z
430700	w/ Patella	16.5-25cm	10-20mm	24-40mm	7-25mm	-
430705	w/o Patella	16.5-25cm	10-20mm	-	-	-
430707	w/Shaped Patella	≥16.5-30cm	10-19mm	25-30mm	6-8mm	9.5-10mm

Allograft Tendons with Bone Blocks

Achilles Tendon

Frozen Order No.		L	W	Y	Z	T
	430200 w/ Calcaneus	19.5-38cm	10-20mm	20-40mm	13-30mm	16-35mm
	430207 w/ Shaped Bone Blocks	19.5-38cm	10-18mm	25-30mm	9.5-10mm	6-8mm
	430250 w/ Calcaneus	16-19.4cm	10-20mm	20-40mm	13-30mm	16-35mm
	430521 w/o Calcaneus	16-19.4cm	10-20mm	-	-	-

Key

	Without bone blocks	With bone blocks
L (Length)	Entire length of tendon	Entire length of tendon including the bone block(s)
W (Width)	Minimum width of the tendon.	Minimum width of the tendon
T (Thickness)	N/A	Thickness of the bone block and tendon measured anterior to posterior
Z	N/A	Minimum measurement of bone block measured medial to lateral
Y	N/A	Length of the bone block proximal to distal
X	N/A	Minimum distance between proximal tibia and distal patella bone blocks
Q	N/A	Length of quadriceps tendon from attachment to the patella to cut end
P	N/A	Minimum thickness of the patellar block (including tendon), measured anterior to posterior
Yp	N/A	Minimum distance proximal to distal of the patellar block
Yt	N/A	Minimum distance proximal to distal of the tibial block
FD	The minimum tunnel diameter through which the folded tendon can be inserted	N/A
D	The minimum tunnel diameter the unfolded tendon can be pulled through	N/A