



Tekhelet Tying Detailed Instruction:

Rav Amram Gaon

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Ptil Tekhelet Organization

The following pages describe, in detail, the necessary steps to tie tzitzit according to Rav Amram Gaon. This method consists of making 13 chulyot, interleaving white chulyot (each of three winds) and blue chulyot (each of three winds).

The photographs below show how to make the first white chulya and the following blue chulya. This is to be repeated interleaving white, blue, white, blue, etc.. until the 13th chulya which is white.

The method requires a knot at the beginning and the end of the windings. Though the knot used by the Gaon was probably a single strand looped through itself, shown below is a full double knot, which is a "knot" accepted by all opinions.

The description begins assuming that the tier has placed the four strings into the corner hole, folded them over evenly, and tied them with a double knot.

Click on any picture to view it enlarged.

(The enlarged picture will open in a separate window, and all subsequent enlargements will open in this existing window).

General Glossary

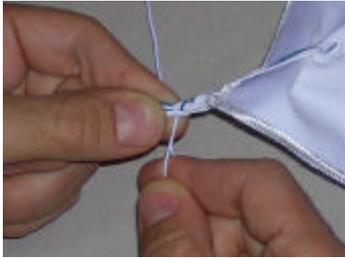
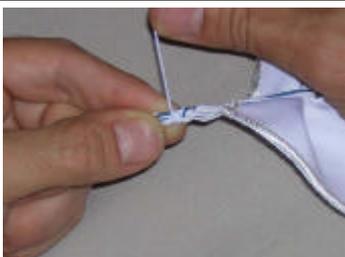
Finger names: thumb, index, middle, ring, little.

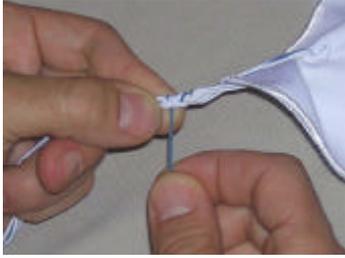
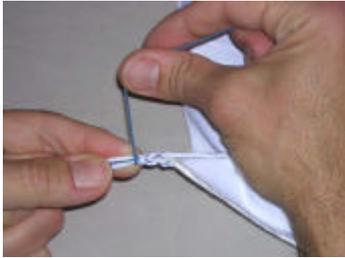
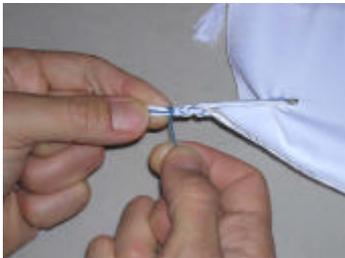
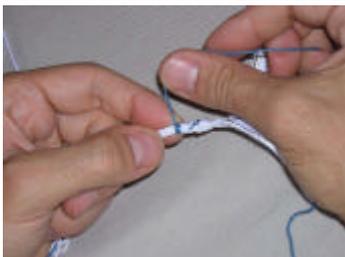
Shamash: primary winding strand

Chulya: triplet winding

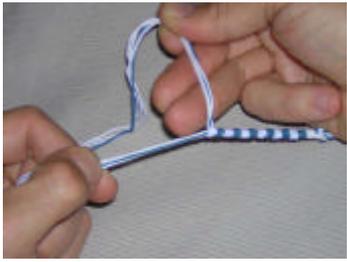
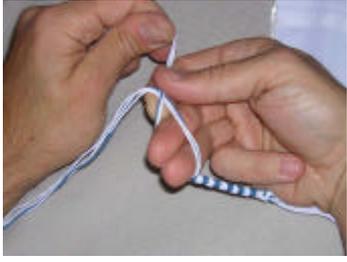
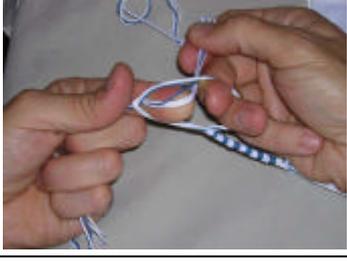
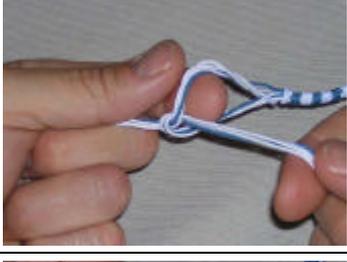
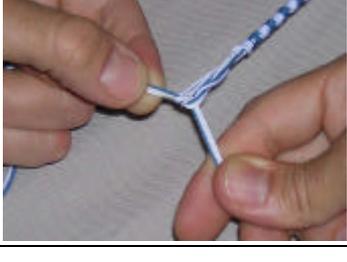
Special thanks to my wife Deena for the photography

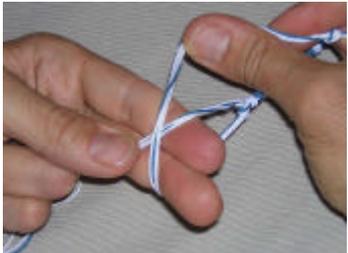
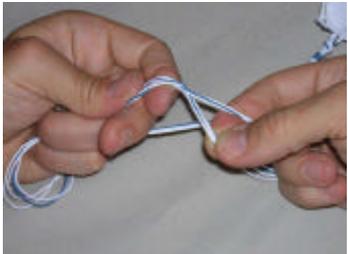
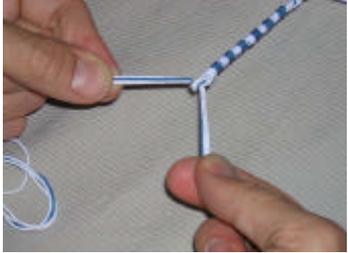
THE WHITE CHULYA		
1		Take hold of the white shamash with the right thumb and index finger. Hold the remaining seven strings ("core") in the left hand.
2		Wrap the shamash around the core strings – going over the top of the core and away from oneself, then pulling down and under the core towards oneself.

3		<p>Wrap the shamash around the core again – going over the top of the core and away from oneself.</p>
4		<p>Complete the wrap of the shamash around the core strings – pulling down and under the core towards oneself.</p>
5		<p>Repeat step 3.</p>
6		<p>Repeat step 4.</p>
7		<p>Complete the third wind of the white shamash, wrapping it up and over the core and then hanging it down behind the core. Use the left index finger to keep the wrappings in place.</p>
THE BLUE CHULYA		
8		<p>Take hold of the white shamash with the right thumb and index finger. Hold the remaining seven strings – including the white shamash – in the left hand.</p>

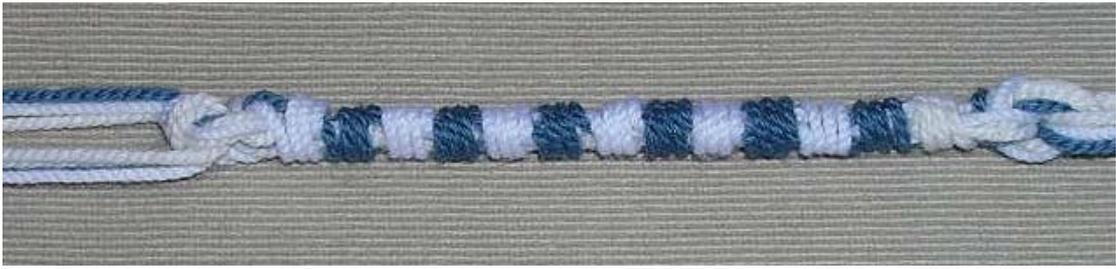
9		<p>Wrap the shamash around the core strings – going over the top of the core and away from oneself, then pulling down and under the core towards oneself.</p>
10		<p>Wrap the shamash around the core again – going over the top of the core and away from oneself.</p>
11		<p>Complete the wrap of the shamash around the core strings – pulling down and under the core towards oneself.</p>
12		<p>Repeat step 10.</p>
13		<p>Repeat step 11.</p>
14		<p>Complete the third wind of the blue shamash, wrapping it up and over the core and then hanging it down behind the core. Use the left index finger to keep the wrappings in place.</p>

THE DOUBLE KNOT

15		While never letting go of the white shamash, gather the remaining 3 strings of the shamash's group of 4 strings (recall that when the 4 strings were folded through the garment hole – two groups of 4 strings are made).
16		Prepare to make the first knot of the double knot using the two groups of 4 strings. Holding the shamash's 4 string group between the right thumb and index fingers, place the right middle and ring fingers between the 2 string groups. Take the 4 strings in the left hand and place them on top of the other 4 strings, taking hold of them with the right thumb and index fingers.
17		Now, insert the left thumb between the right middle and ring fingers and strings going over them in order to open the "hole".
18		Using the left index finger, push the strings being held by the right thumb and index finger through the hole.
19		Use the right thumb and index finger to take hold of the strings being pushed through by the left index finger.
20		Use the left hand to pull the left string group to the left and the right hand to pull the right string group to the right.

21		<p>Pull the two string groups tight – thus creating the first single knot of the desired double knot.</p>
22		<p>Prepare to make the second knot of the double knot. Holding the one group of 4 strings between the right thumb and index fingers, and the other group of 4 strings in the left hand, place the left index and middle fingers between the 2 string groups. Take the 4 strings in the right hand and place them on top of the left-hand 4 strings, thus creating a "hole".</p>
23		<p>Using the right index finger, push the strings being held by the right thumb and index finger through the hole.</p>
24		<p>Use the right thumb and index finger to take hold of the strings pushed through the hole and pull them through the hole.</p>
25		<p>Use the left hand to pull the left string group to the left and the right hand to pull the right string group to the right.</p>
26		<p>Pull the two string groups tight – thus creating the second single knot of the desired double knot.</p>

THE COMPLETE TIE



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