

	Thread with markers			Thread w/o markers	
	No occlusion	Self-intersection	Tools-occlusion	No occlusion	Self-intersection
Thread Body	$1.06 \pm 0.23$	$1.14 \pm 0.16$	$1.09 \pm 0.26$	$1.17 \pm 0.20$	$1.12 \pm 0.29$
Thread Needle End	$5.32 \pm 3.40$	$8.71 \pm 6.70$	$6.19 \pm 4.48$	$4.91 \pm 4.21$	$7.94 \pm 4.83$
Thread Tail End	$2.87 \pm 1.98$	$3.50 \pm 3.51$	$3.94 \pm 3.30$	$3.42 \pm 3.61$	$8.10 \pm 6.22$