

Needle and Thread Size Chart

July 2022

Thread Size (Ticket Number)	Government Size	Tex Size	Metric Needle Size Range	US Needle Size Range	Thread Diameter	Nylon – Yarn Construction (Denier x Ply)	Polyester – Yarn Construction (Denier x Ply)
69	E	T-70	100-110	16-18	.0115" (.292mm)	210 X 3	220 X 3
92	F	T-90	110-120	18-19	.0133" (.337mm)	210 X 4	220 X 4
138	FF	T-135	120-140	19-22	.0163" (.414mm)	420 X 3	420 X 3
207	#3	T-210	140-180	22-24	.0200" (.508mm)	630 X 3	630 X 3
277	#4	T-270	180-230	24-26	.0231" (.586mm)	840 X 3	840 X 3
346	#5	T-350	230-280	26-28	.0258" (.655mm)	840 X 4	1100 X 3
415	#6	T-400	250-330	27-30	.0283" (.718mm)	1260 X 3	1300 X 3
462			300-350	29-31	0.0315" (0.8mm)		
554	#8	T-600	330-380	30-32	.0326" (.828mm)	1680 X 3	1300 X 4
693	#10	T-700				1890 X 3	2000 X 3

Denier:

a unit of weight indicating the fineness of fiber filaments and yarns, both silk and synthetic, and equal to a yarn weighing one gram per each 9,000 meters

True Trim

Bill Peterman