Thread weight chart

Last checked 2026-11-17

Thread weight systems run in opposite directions: a higher wt number is a finer thread, but a higher Tex number is thicker. Compare within one system only.

Thread	Weight (wt)	Tex	Ply	Typical uses
Aurifil Cotton 50wt	50	not stated	2	Hand piecing, machine applique, machine embroidery, dense machine quilting, basting
Aurifil Cotton 40wt	40	not stated	2	Machine applique, machine embroidery, edge-to-edge and longarm quilting
Aurifil Cotton 28wt	28	not stated	2	Hand quilting, blanket stitch, machine quilting, machine embroidery
Aurifil Cotton 12wt	12	not stated	2	Hand quilting, sashiko, buttonhole stitch, machine art quilting
Gutermann Mara 150 (ticket 150)	not stated	20	not stated	not stated
Gutermann Mara 120 (ticket 120)	not stated	25	not stated	not stated
Gutermann Mara 100 (ticket 100)	not stated	30	not stated	Maker lists apparel, leather, denim, home textiles, knitwear, bags for the Mara line
Gutermann Mara 70 (ticket 70)	not stated	40	not stated	not stated
Gutermann Mara 30 (ticket 30)	not stated	100	not stated	not stated

Thread	Weight (wt)	Tex	Ply	Typical uses
Gutermann Mara 15 (ticket 15)	not stated	200	not stated	not stated

The systems run in opposite directions, so a 50wt thread is finer than 28wt while Tex 40 is thicker than Tex 20. Ne/wt, Tex and ticket numbers cannot be compared across makers without the maker's table.

Aurifil pages print wt and ply but not Tex or Nm. Gutermann prints ticket and Tex for the Mara line; it is an industrial line, and a consumer Sew-all/topstitch page could not be read, so those are not listed.

Computed or quoted from the sources below; check your pattern or manual before you cut.

Sources

Aurifil Cotton 50wt: https://www.aurifil.com/aurifil-products/aurifil-cotton-50wt
Aurifil Cotton 40wt: https://www.aurifil.com/aurifil-products/aurifil-cotton-40wt
Aurifil Cotton 28wt: https://www.aurifil.com/aurifil-products/aurifil-cotton-28wt
Aurifil Cotton 12wt: https://www.aurifil.com/aurifil-products/aurifil-cotton-12wt
Gutermann Mara 100 product page: https://industry.guetermann.com/en/products/product-finder/mara-100
Aurifil thread FAQ: https://www.aurifil.com/aurifil-thread-faq
Coats: thread numbering: https://www.coats.com/tr/?p=12992