

# Warp & Weft Calculations A-Z+

**Project Name:**

**DIRECTIONS:** Starting with A, use your tab to get to the next field. IF YOU CHANGE A FIELD: HIT THE RED RECALCULATE BELOW.

**WARP USE:**

- A** \_\_\_\_\_ number of items being woven
- B** \_\_\_\_\_ finished length in inches
- C** \_\_\_\_\_ finished width in inches
- D** \_\_\_\_\_ WIDTH takeup/shrinkage % ENTER AS **•XX**
- E** \_\_\_\_\_ shrinkage plus takeup amount  
to get right width & # of warp ends (**D x C**)
- F** \_\_\_\_\_ ends per inch (EPI)
- G** \_\_\_\_\_ width of warp on the loom and reed (**E+C**)
- H** \_\_\_\_\_ fringe - how long in inches?
- I** \_\_\_\_\_ total fringe (**A x H x 2**)
- J** \_\_\_\_\_ total inches woven (**B x A**)
- K** \_\_\_\_\_ **total number of ends (epi) ( F x G )**
- L** \_\_\_\_\_ finished length + fringe (**J + I**)
- M** \_\_\_\_\_ LENGTH takeup/shrinkage % ENTER AS **•XX**
- N** \_\_\_\_\_ takeup in inches of woven (**J x M**)
- O** \_\_\_\_\_ **weave one item this long ( B x M ) + B**
- P** \_\_\_\_\_ loom waste in inches  
(add extra inches for samples here)
- Q** \_\_\_\_\_ inches woven, takeup & loom waste  
(**J + N + P**)
- R** \_\_\_\_\_ **each end in yard length ( Q / 36 )**
- S** \_\_\_\_\_ total yards of warp (**R x K**)

**WEFT USE:**

- T** \_\_\_\_\_ pics per inch
- U** \_\_\_\_\_ inches wide (**G**)
- V** \_\_\_\_\_ weft inches for 1 inch of weaving (**G x T**)
- W** \_\_\_\_\_ weft for total inches woven (**J x V**)
- X** \_\_\_\_\_ weaver's angle ENTER AS **•XX** (if greater than normal)
- Y** \_\_\_\_\_ takeup in inches (**W x X**)
- Z** \_\_\_\_\_ inches woven and takeup in inches (**W + Y**)
- ZZ** \_\_\_\_\_ Divide by 36 to get yards of weft (**Z / 36**)

**YARN WEIGHT:**

- AA** \_\_\_\_\_ yards per pound
- BB** \_\_\_\_\_ ounces per yards per pound (**AA / 16**)
- CC** \_\_\_\_\_ total # of yard WARP & WEFT (**S + ZZ**)
- DD** \_\_\_\_\_ BOTH yarn warp & weft # & oz. (**CC / AA**)
- EE** \_\_\_\_\_ WARP only in # and oz. (**S / AA**)
- FF** \_\_\_\_\_ WEFT only # and oz. (**ZZ / AA**)

**COST: \$per pound**

**GG WARP.** Warp Total (**GG x EE**)      **HH WEFT \$ PER LB.** Weft Total (**HH x FF**)      **TOTAL:**      **PER**

**SECTIONAL WARP INFO:** Section size 1 or 2 inch:

Number of Sections      Number of Spools:      Yards on Spool:      Yards in section:

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