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WARP AND WEFT CALCULATIONS

Warp Length

	Imperial	Metric
Finished length of total piece	inches	cm
Fringe / Hems	+ inches	+ cm
Shrinkage (depends on yarn)	+ inches	+ cm
Loom waste (different for each model of looms)	+ inches	+ cm
Total length of warp* =	inches	cm
(A) →	/36 **yards**	/100 **meters**

Warp Width (because the reeds are usually imperial, we will use the inches for the warp width)

Finished width needed	inches
Draw-in (5 - 10%)	+ inches
Shrinkage of weft yarn (depends on yarn)	+ inches

Total width of warp = inches (C)
Ends per inch (EPI) X EPI
Total number of ends (B) → **Ends**

Yarns needed for the warp = (A) X (B) = _____ yards / meters

Yards needed for the weft

Total width of warp = (C)	inches
Take-up (5 - 10%)	+ inches
Length of one weft shot (pick)	= inches
Picks per inch (PPI)	X PPI

Inches of weft for 1" of weaving = inches
Total length of warp* X inches
Total inches of weft = inches

/ 36 = Total yards for weft _____ yards

Exemple, if you need 18 000 yds for the warp in 8/2 cotton, you will need:
18 000 yds / 1 680 yds per bobbins = 10.71 bob → 11 bobbins