Crunching the numbers: Width in Reed & Total Warp Ends
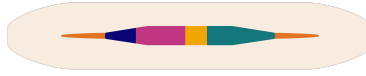
THE Handweaving Academy

Width in Reed & Total Warp Ends

Warp width (Imperial)

Desired finished width of items in inches

x (1 + percentage of expected loss)*   x _____

= Warp width in reed   = _____

x Warp ends per inch   x _____

= Total warp ends   = _____

Warp width (Metric)

Desired finished width of items in cm

x (1 + percentage of expected loss)*   x _____

= Warp width in reed   = _____

x Warp ends per cm   x _____

= Total warp ends   = _____

* For example, if your expected loss is 15%, multiply by (1 + 0.15) = 1.15

Example:

Here's an example of the worksheet used to calculate the warp width and total ends for a set of six placemats 12.5" wide that will be woven at 20 EPI:

Warp width (Imperial)	Desired finished width of items in inches		12.5"
	x (1 + percentage of expected loss)*	x	1.15
	= Warp width in reed	=	14.38"
	x Warp ends per inch	x	20 EPI
	= Total warp ends	=	288

Warp width (Metric)	Desired finished width of items in cm		31.75 cm
	x (1 + percentage of expected loss)*	x	1.15
	= Warp width in reed	=	36.5 cm
	x Warp ends per cm	x	7.9 EPCM
	= Total warp ends	=	288

* For example, if your expected loss is 15%, multiply by (1 + 0.15) = 1.15