

## WARP AND WEFT CALCULATIONS

<p><b>Warp Length</b></p> <p>Finished length of total piece _____</p> <p>Fringe/Hems _____</p> <p>Shrinkage (depends on yarn &amp; finishing) _____</p> <p>Take-up (10% for balanced weave) _____</p> <p>Extra length for samples _____</p> <p>Loom waste of 18" to 36" _____</p> <p><b>TOTAL LENGTH OF WARP</b></p> <p>divided by 36 to change to yards</p>	<p>_____ inches</p> <p>+ _____ inches</p> <p>+ _____ inches</p> <p>+ _____ inches</p> <p>+ _____ inches</p> <p>+ _____ inches</p> <p>(Add All Lines) = _____ inches</p> <p style="text-align: right;">= _____ yards*</p>
<p><b>Warp Width</b></p> <p>Finished Width.....</p> <p>Draw-in (10% - 15%).....</p> <p>Shrinkage (of weft yarn - 10% - 15%).....</p> <p><b>TOTAL WIDTH.....</b></p> <p>Multiply WIDTH x Ends per Inch (EPI).....</p> <p><b>TOTAL WIDTH X EPI = TOTAL # OF ENDS</b></p>	<p>_____ inches</p> <p>+ _____ inches</p> <p>+ _____ inches</p> <p>+ _____ inches</p> <p>Add All Lines = _____ inches</p> <p style="text-align: right;">X _____ EPI</p> <p style="text-align: right;">= _____ ENDS</p>
<p><b>Materials Required for Warp</b></p> <p>TOTAL # of ENDS.....</p> <p>times TOTAL LENGTH of warp (see * above)</p> <p>= YARDS OF WARP NEEDED.....</p>	<p>_____</p> <p style="text-align: right;">X _____</p> <p style="text-align: right;">= _____ YDS</p>
<p style="text-align: center;"><b>Calculate Weft Yarn</b></p> <p>Width in reed + Take up.....</p> <p>= Length of one weft shot (pick).....</p> <p>x Picks per Inch (PPI).....</p> <p>x Weaving Length (in yards, see *above)....</p> <p>= TOTAL YARDS needed for weft.....</p>	<p>_____ inches</p> <p>+ _____ inches</p> <p>= _____ inches</p> <p>x _____ inches</p> <p>= _____ YARDS</p>

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