

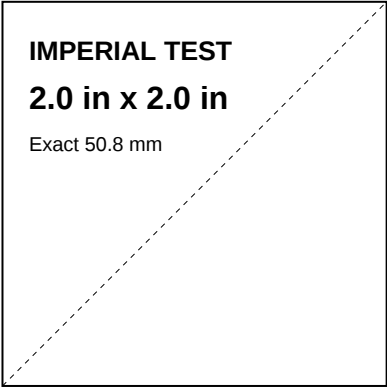
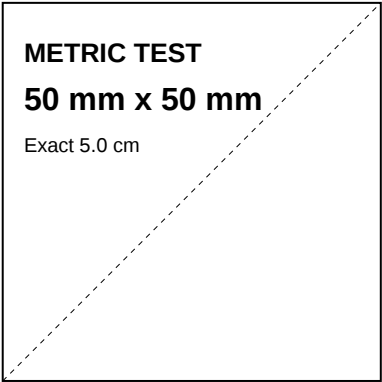
Smocked Waist Tiered Shorts

Smocked Waist Tiered Shorts Verified open pattern specification

Garment Type: Tiered Shorts | Difficulty: Beginner | Provenance: Threadline Open Design Studio | License: CC BY-SA 4.0

PRINTER CALIBRATION & SCALE VERIFICATION

Measure both test squares with a rigid ruler before cutting fabric. Print at 100% scale without shrinking.



- Scale Rules:
- 1. Open in Acrobat Reader
 - 2. Select Actual Size 100%
 - 3. Do NOT Fit to Page
 - 4. Verify dimensions above

SIZE SELECTION & EASE RECOMMENDATIONS

Select size corresponding to natural waist and full hip/seat measurements. If between sizes, choose the larger size and adjust side seams.

Structured trousers include +4 to +6 cm ease at waistband and +8 to +12 cm ease through hip/thigh for sitting comfort.

STANDARD BODY MEASUREMENTS CHART

Size Range	XS	S	M	L	XL	2XL	3XL
Natural Waist	64 cm	72 cm	80 cm	88 cm	96 cm	104 cm	112 cm
Full Hip / Seat	90 cm	98 cm	106 cm	114 cm	122 cm	130 cm	138 cm

FINISHED MEASUREMENTS & MATERIALS

FINISHED GARMENT MEASUREMENTS (INCLUDES DESIGN EASE)

Dimension	XS	S	M	L	XL	2XL	3XL
Finished Waist	64 cm	70 cm	76 cm	82 cm	92 cm	102 cm	112 cm
Finished Hip	102 cm	108 cm	114 cm	120 cm	130 cm	140 cm	150 cm
Inseam Length	10 cm	10 cm	10 cm	10 cm	10 cm	10 cm	10 cm

FABRIC REQUIREMENTS (45 IN / 115 CM & 60 IN / 150 CM BOLTS)

Bolt Width	XS	S	M	L	XL	2XL	3XL
45" / 115 cm Fabric	1.3 yd	1.3 yd	1.3 yd	1.55 yd	1.55 yd	1.85 yd	1.85 yd
60" / 150 cm Fabric	1 yd	1 yd	1 yd	1.2 yd	1.2 yd	1.4 yd	1.4 yd

RECOMMENDED FABRICS & STRETCH PROPERTIES

Recommended Substrates: Cotton twill, chino, denim, linen, or wool suiting,
 Pocketing cotton for pocket bags. Stretch Requirement: None 0% stable woven.

NOTIONS & SEWING TOOLS CHECKLIST

- ☐ Matching all-purpose polyester or cotton sewing thread
- ☐ Universal sewing needle size 80/12
- ☐ 7 inch metal or nylon trouser zipper
- ☐ Trouser hook and eye or 18mm button
- ☐ Interfacing for waistband
- ☐ Sharp fabric shears
- ☐ Measuring tape
- ☐ Iron and pressing ham

PATTERN INVENTORY & CUTTING LAYOUT

STANDARD SEAM & HEM ALLOWANCES

Use the seam and hem allowances printed on each pattern piece. Verify every allowance label before cutting fabric.

PATTERN PIECE INVENTORY & CUTTING SCHEDULE

Piece Name	Cut Quantity	Material / Interfacing
Shorts Front Leg	Cut 1 Pair	Main Fabric
Shorts Back Leg	Cut 1 Pair	Main Fabric
Elastic Waistband Casing	Cut 1 on Fold	Main Fabric
Side Slant Pocket	Cut 2 Pairs	Main Fabric

FABRIC PREPARATION & CUTTING RULES

- Press fabric before cutting to remove packing folds and pre-shrink fibers.
- Align piece grainlines strictly parallel to fabric selvages.
- Transfer notch markings with small 3 mm snips into the seam allowance margin.

MULTI-PAGE TILE ASSEMBLY INSTRUCTIONS

1. Check Sheet 1 calibration square before printing the remaining pattern sheets.
2. Trim right and bottom border lines along the dashed perimeter frame.
3. Match corner crosshairs, such as A1 to A2 and B1 to B2, without overlapping.
4. Tape sheets securely on both sides before cutting paper pieces.

STEP-BY-STEP SEWING INSTRUCTIONS

Step 1: Cut Flared Shorts Pieces

Cut flared front shorts legs, back legs, smocked waistband casing, and side slant pockets. Press seam allowances.

Step 2: Pockets

Sew pocket bags to front side notches, turn right side out, and understitch. Press seam allowances.

Step 3: Crotch and Inseams

Align pieces right sides together and stitch front crotch seam and back crotch seam. Sew inseam from hem to hem. Press seam allowances.

Step 4: Side Outseams

Sew side seams enclosing pocket bags. Press seam allowances.

Step 5: Smocked Waistband and Hems

Align pieces right sides together and stitch multiple rows of elastic thread shirring across waistband casing, attach to shorts waist, and finish leg hems. Press seam allowances.

TROUBLESHOOTING & PRO SEWING TIPS

Issue: Seams puckering along stitch line

Fix: Insert fresh needle and test balance on fabric scrap.

Issue: Wavy edge along curved perimeter

Fix: Staystitch immediately after cutting and use walking foot.