

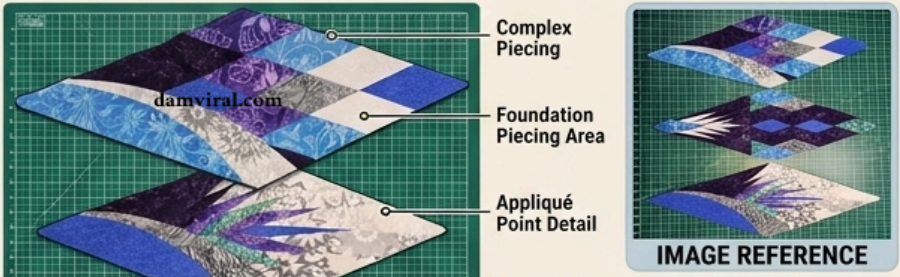
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Tutorial: Crafting Complex Geometric Quilt Blocks (Start to Finish in Centimeters)

This step-by-step guide walks you through creating **3 complex geometric quilt blocks**, each measuring **40 cm x 12.5 cm**, and assembling them vertically into a finished panel **40 cm x 60 cm**. All measurements are in centimeters for precision and consistency.

TUTORIAL: CRAFTING COMPLEX GEOMETRIC BLOCKS (from <IMAGE 0>)
 damviral.com FROM START TO FINISH – CM MEASUREMENTS CERTA

FINISHED REFERENCE:
 3 Complex Geometric Blocks (40 CM x 12.5 CM each, arranged vertically on 40 CM x 60 CM cutting mat with a '1 MM = CERTA CM' scale visible)



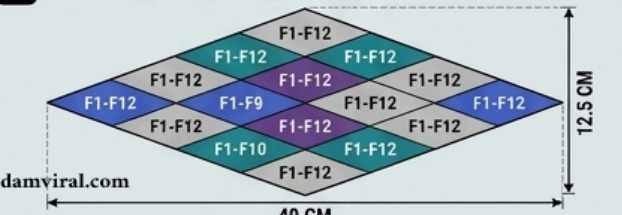
1 FABRIC SELECTION & PREP
 100% US COTTON - DREXEL ARTIST



100% US COTTON SOLID 100% US COTTON SOLID MID-US-PUPILE BATIK BLACK-ON-WHITE PRINT BLUE-ON-WHITE PRINT WHITE SOLID

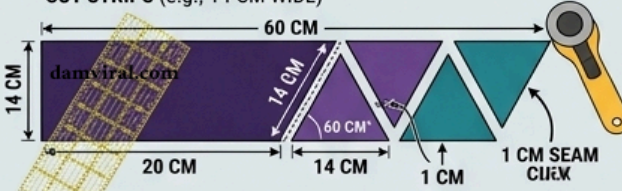
PRE-WASH, DRY, PRESS

4 PANEL ASSEMBLY GUIDE




12.5 CM
40 CM

2 CUTTING BASIC SHAPES (DIAMOND PATTERN)
 CUT STRIPS (e.g., 14 CM WIDE)



60 CM
14 CM
20 CM 14 CM 1 CM 1 CM SEAM ALLOWANCE

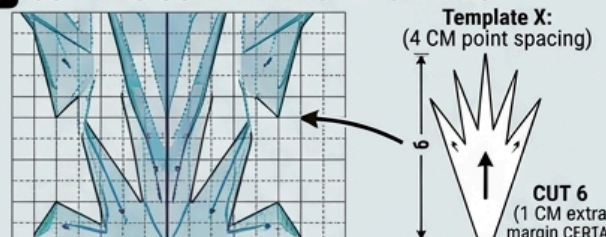
5 ASSEMBLY (SIMPLE GEOMETRIC PART)
 SEW SQUARES/DIAMONDS INTO ROWS



1 CM SEAM ALLOWANCE SEW SQUARES/DIAMONDS INTO ROWS

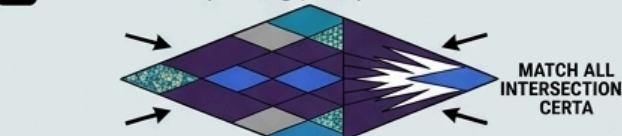
6 APPLIQUÉ APPLICATION (RAW EDGE) or FOUNDATION PIECING

3 CUTTING COMPLEX POINT SHAPES



Template X: (4 CM point spacing)
CUT 6 (1 CM extra margin CERTA)


7 ASSEMBLY (Joining parts)



MATCH ALL INTERSECTIONS CERTA

KEY QUILTING & SEWING METHODS
 (US TERMINOLOGY)

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PRECISION PIECING FOUNDATION PAPER PIECING APPLIQUÉ (RAW EDGE/TURNED)

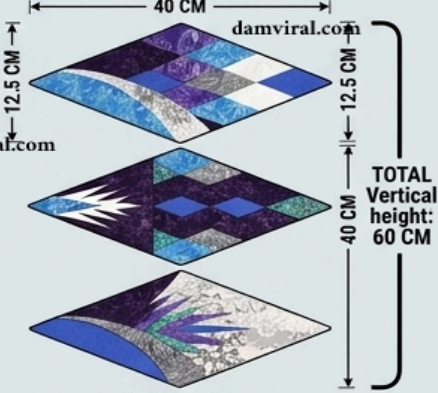
Seams made to 1 CM for alignment Sewing through a printed template for accuracy

US FABRIC LEGEND (Standard types)

US DREXEL ARTIST (standard weave) US BATIK (artisanal weave) US CANVAS (heavy structure)

CHANNEL QUILTING
 Lines sewn in regular parallel intervals

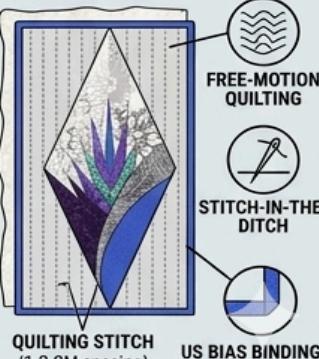
STITCH-IN-THE-DITCH
 Stitches within the seam-line



40 CM 12.5 CM 40 CM TOTAL Vertical height: 60 CM

MEASUREMENTS ARE CERTA CM

8 QUILTING & BINDING



FREE-MOTION QUILTING STITCH-IN-THE-DITCH

QUILTING STITCH (1.2 CM spacing) US BIAS BINDING (2.5 CM finished width)

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Finished Reference

You will create:

- 3 rectangular quilt blocks (40 cm x 12.5 cm each)
- Arranged vertically into a final panel (40 cm x 60 cm total height)
- Designed using a combination of simple geometric piecing and complex appliqué

Use a cutting mat with a visible centimeter grid for accuracy.

Step 1: Fabric Selection & Preparation

Choose high-quality quilting cotton fabrics:

- 100% US cotton solid (dark tone, e.g., purple)
- 100% US cotton solid (contrast tone, e.g., teal)
- Mid-tone batik fabric
- Black-on-white print
- Blue-on-white print
- White solid

Preparation steps:

- Pre-wash all fabrics to prevent shrinking
- Dry completely
- Press flat with an iron to remove wrinkles

Step 2: Cutting Basic Shapes (Diamond Pattern)

Cut fabric strips:

- Width: 14 cm
- Length: at least 60 cm

From these strips:

- Cut diamonds (or half-square triangles) with:
 - 14 cm width
 - 60° angled cuts
- Maintain a **1 cm seam allowance** on all edges

Layout:

- Arrange pieces into a repeating diamond pattern
- Each row should align to build a 40 cm wide panel

Step 3: Cutting Complex Point Shapes

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Create a paper template:

- Height: approximately 12.5 cm
- Point spacing: 4 cm between peaks

Using the template:

- Trace onto fabric
- Cut **6 identical pieces**
- Add 1 cm extra margin for seam allowance

Tip:

Precision is critical here—use sharp scissors or a rotary cutter.

Step 4: Panel Assembly Guide

Before sewing, organize your layout:

- Total width: 40 cm
- Total height per panel: 12.5 cm

Label sections if needed (example: F1–F12) to maintain placement consistency.

Structure:

- Outer edges: simpler diamond patterns
- Center: more complex or contrasting pieces
- Keep symmetry in mind

Step 5: Assembly – Simple Geometric Sections

Sewing process:

- Join squares/diamonds into rows first
- Use a **1 cm seam allowance**
- Press seams flat after each row

Then:

- Join rows together carefully
- Match seam intersections precisely for clean geometry

Step 6: Appliqué Application (Complex Section)

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For the central decorative motif:

- Place the complex point shapes onto the base fabric
- Use **raw-edge appliqué** or turned-edge if preferred

Steps:

- Pin pieces securely
- Stitch carefully along edges (machine or hand stitching)
- Keep alignment centered and symmetrical

Step 7: Final Assembly (Joining All Sections)

Combine:

- Geometric pieced sections
- Appliqué section

Steps:

- Align all edges carefully
- Match all seam intersections (“match points”)
- Sew panels together using consistent seam allowance

Result:

- One finished block: 40 cm x 12.5 cm

Repeat for all 3 blocks, then join vertically.

Final Layout Assembly

Stack the 3 completed panels vertically:

- Each: 12.5 cm tall
- Total height: 60 cm
- Width: 40 cm

Ensure alignment across all joins for a cohesive design.

Step 8: Quilting & Binding

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Quilting options:

- Free-motion quilting for artistic texture
- Stitch-in-the-ditch for clean, subtle lines

Recommended spacing:

- Quilting lines every 1.2 cm

Binding:

- Use bias binding strips
- Finished binding width: 2.5 cm

Steps:

- Attach binding to edges
- Fold over and stitch down neatly

Key Techniques Used

- Precision piecing: Accurate 1 cm seams for alignment
- Foundation paper piecing (optional): For complex shapes
- Appliqué: Decorative layered fabric technique
- Channel quilting: Parallel stitched lines
- Stitch-in-the-ditch: Stitching along seam lines

Fabric Types Reference

- Standard quilting cotton (Drexel artist style)
- Batik fabrics (hand-dyed appearance)
- Printed cottons (black-on-white, blue-on-white)
- Canvas (optional for structure)

Final Tips for Success

- Always measure twice before cutting
- Press seams frequently for accuracy
- Use pins generously for alignment
- Keep your workspace organized
- Work slowly on complex sections