Top-View Bird Beak Drawing: Bill Shape and Nostril Placement

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Draw a top-view beak with bill length 50 mm, base width 20 mm, midpoint width 12 mm, and nostril centers at 30 percent of bill length from the base and 40 percent of the local half-width from the centerline. Use millimeters throughout.

Answer: Centerline vertical, tip at top. Base point at 0 mm, tip at 50 mm. Base half-width 10 mm each side. Midpoint at 25 mm with half-width 6 mm each side. Side lines run from base corners through midpoint guides to the tip. Nostril position at 0.30 times 50 = 15 mm from the base. Local half-width at 15 mm is estimated from the side lines; using linear taper between base and midpoint, half-width is 10 minus (15/25) times 4 = 7.6 mm. Nostril offset is 0.40 times 7.6 = 3.04 mm each side of the centerline. Mark both nostril centers, check symmetry, and record all values.