Contour Drawing of a Rook: Edge-Only Chess Piece Study

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Draw the text-described front rook with a 60 mm base width, 36 mm shaft, 30 mm turret, and 80 mm total height. Place the midline at 40 mm. Show four crenellation flats and state the key width ratio.

Answer: Use a bottom-left origin. Draw the base from x=0 to 60 mm at y=0, taper its sides to x=12 and x=48 mm at y=20, and continue the shaft sides to y=60. Step inward to turret sides x=15 and x=45 mm, then rise to y=80. Shape the turret top with four 6 mm flats and three 2 mm notches, each 6 mm deep. The midline is y=40. The turret-to-base ratio is 30/60=0.5. Check that the outline closes and all units are millimeters.