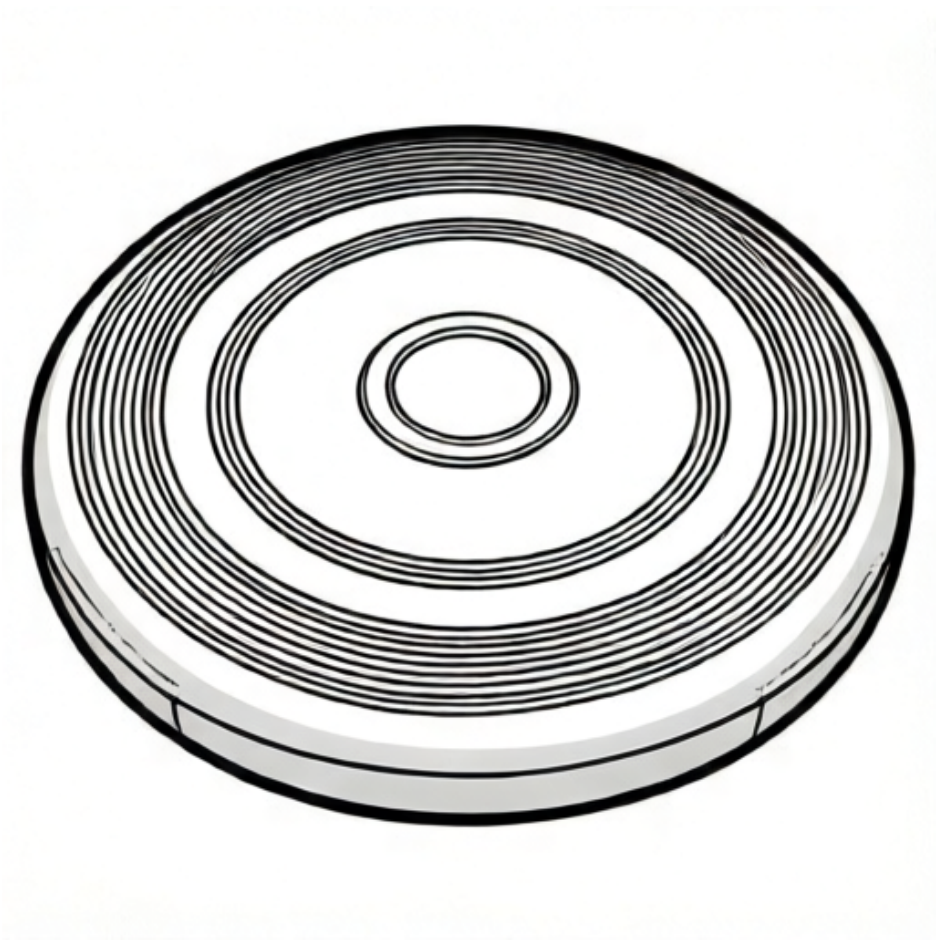
Disc Golf Disc Drawing: Rim and Flight-Plate Construction

Ordinary topic reference / separately checked pixels



Disc Golf Disc Drawing: Rim and Flight-Plate Construction

Original worked example / unchanged complete key

Prompt: In a three-quarter view, draw a flight-plate ellipse with major axis 80 mm and minor axis 50 mm. Draw a bottom ellipse with axes 76 mm and 46 mm, centered on the same vertical axis and 8 mm lower. Keep a separate side-view profile whose vertical extent is 30 mm.

Answer: Draw the 80 by 50 mm top ellipse and mark its center. Draw the 76 by 46 mm bottom ellipse with the same horizontal center and an 8 mm downward center offset. Connect the front portions with a symmetric rim band. Draw the 30 mm side-profile extent separately; do not scale it to 8 mm or claim the offset equals the rim width.

Reason: The ellipses are given as independent projected drawing measurements, while the side profile is a separate view. Aligning their centers and using matching left/right contours makes the three-quarter construction symmetric.

Check: Measure the top and bottom ellipse axes, confirm their centers share a vertical line, and compare left/right rim gaps. Confirm the side profile remains a separate reference and no 30-to-8 scaling claim is made.