Isometric Flintlock Drawing: Lock, Stock, and Barrel as Box Volumes

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: A lock plate box is 50 units long along X, 10 units wide along Y, and 30 units tall along Z. Draw it in isometric projection and state the visible edge lengths.

Answer: The visible front face shows a 50-by-30 rectangle projected isometrically. The depth edges along Y are 10 units. The top face shows 50-by-10. All edges follow X, Y, or Z. The drawing is correct if every non-vertical edge is at 30 degrees to the baseline and vertical edges are vertical.