Isometric Column Drawing: Base, Fluted Shaft, and Capital

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

Using a grid unit of 10 mm, draw a column with a base plinth 40 mm wide, 30 mm deep, and 10 mm high; a shaft 20 mm diameter and 60 mm high; and a capital 30 mm wide, 30 mm deep, and 15 mm high. Show the isometric axes and one flute convention.

Answer: Draw Z vertical and X, Y at 30 degrees. Mark plinth width 4 units along X and depth 3 units along Y from centerline; raise 1 unit for height. Draw shaft bottom ellipse on plinth top with 2-unit diameter; draw top ellipse 6 units above. Connect ellipse extremes with verticals. Mark capital 3 units by 3 units centered on Z, raise 1.5 units. Add evenly spaced vertical flute lines on the visible front. Check all verticals parallel Z and ellipse major axes perpendicular to Z.