Isometric Stapler Drawing: Hinge and Base Construction

Original task 1 / independent drawing and calculation

Task 1

A stapler has a hypothetical base 80 mm long, 24 mm wide, and 16 mm high. The hinge pivot is at 28 mm height on the shared axis. Describe how to place the pivot and the first base edges.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

A drawing shows a staple channel 30 mm wide on a base 24 mm wide. State the error and give a corrected width that is hypothetical and consistent.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Isometric Stapler Drawing: Hinge and Base Construction

Original task 3 / independent drawing and calculation

Task 3

Describe how to check that an upper arm is isometric when its side profile is drawn first. Include one numerical check using hypothetical values.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Isometric Stapler Drawing: Hinge and Base Construction

Original task 4 / independent drawing and calculation

Task 4

A hinge pivot is drawn 5 mm to the right of the shared axis line. Explain why this is a problem and describe the fix using a hypothetical pivot height of 30 mm.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.