Isometric Product Plate: Form, Fillets, and Detail Callouts

Original task 1 / independent drawing and calculation

Task 1

A rectangular product is 50 mm wide, 30 mm deep, and 40 mm high. Draw its isometric axis box and state the three axis lengths you would mark.

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

On a top face, a button is 12 mm from the left edge and 8 mm from the front edge. Describe how to project its center in isometric view.

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 3 / independent drawing and calculation

Task 3

A vertical edge receives a 4 mm fillet. Describe the tangent points and the curve you would draw, and write the callout.

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 4 / independent drawing and calculation

Task 4

A plate has a 6 mm fillet callout on the top perimeter and a button callout reading 20 mm from left edge, 5 mm from front edge. List two checks before publication.

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.