Single-Line Contour Drawing of a Cylindrical Battery

Original task 1 / independent drawing and calculation

Task 1

Draw a side-view contour of a battery 40 mm tall with a 4 mm terminal bump and a 0.8 mm outward seam step on the left side. Describe your line path.

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.

Single-Line Contour Drawing of a Cylindrical Battery

Original task 2 / independent drawing and calculation

Task 2

Draw a side-view contour of an upright cylindrical battery 50 mm tall with a 5 mm raised terminal and a 1 mm inward casing-seam step. A practice sheet also shows a small closed circle inside the casing side. Draw the outer contour, then identify whether that circle belongs to the contour.

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.

Single-Line Contour Drawing of a Cylindrical Battery

Original task 3 / independent drawing and calculation

Task 3

Draw a side-view contour of a battery with a 6 mm-high raised terminal and one casing-edge step. Explain how both fit the single outer contour.

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.

Single-Line Contour Drawing of a Cylindrical Battery

Original task 4 / independent drawing and calculation

Task 4

Measure a real battery: record height, terminal width, and seam step. Draw the contour and label your numbers as hypothetical examples if not measured.

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.