Dragon Wings Drawing Reference: Bone Arm, Membrane Spans, Folded and Spread Poses

Original task 1 / independent drawing and calculation

Task 1

A spread wing has four labeled struts and three membrane spans. The folded drawing shows four struts but only two visible spans. What is the most likely error, and how would you check it?

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

In a spread wing, the second strut measures 5 cm. In the folded version it measures 7 cm. Using the hypothetical 1 cm tolerance on a 6 cm example, is this consistent? State a fix.

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

You are drawing a folded wing with struts A, B, C, and D. Strut A is the leading edge. In what order should the struts stack, and where do membrane folds appear?

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 spread wing shows a leading strut of 6 cm and three spans with a sag depth of about 0.5 cm each. The folded drawing shows the same struts but one span sags 2 cm while the others sag 0.5 cm. What should you adjust?

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.