Isometric Conveyor Belt Drawing: Axes, Frame, Rollers, and Belt Surface

Original task 1 / independent drawing and calculation

Task 1

Draw an isometric frame with length 4 units, width 2 units, and height 1 unit. Use 1 unit equals 15 mm as a hypothetical example. No rollers or belt.

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

Add three rollers to the frame from the previous exercise at equal intervals along the length. Describe their orientation.

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

Draw a belt surface over the rollers from the previous exercise, resting on the roller lines (or offset by the belt thickness above the roller contact line). State the shape and orientation.

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

Redraw the complete conveyor belt on a blank area using the same axes but a length of 5 units and width of 2 units. Use 1 unit equals 12 mm as a hypothetical example. Keep roller spacing equal.

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.