Choosing a Gauge for a Model Channel

Scoring guide · one credit per question · review written work against each rubric

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Question 1

Choice (2)

Q allows a highest width of 0.99 mm. P allows up to 1.02 mm, and R allows up to 1.03 mm.

Question 2

Subtract and add 0.06 mm from 0.96 mm. The range is 0.90 to 1.02 mm.

Question 3

R allows 0.99 to 1.03 mm. Some possible widths meet the limit and some do not, so it cannot prove the channel is too wide.

Question 4

Q allows 0.97 to 0.99 mm, and R allows 0.99 to 1.03 mm. Their only shared width is 0.99 mm. If both bounds apply, the channel satisfies the 1.00 mm limit.