Lock and Key Drawing: Paired Construction Plate

Original tasks 1, 2 / independent work

Task 1

A lock has a shackle opening 16 mm tall. A key has a bit height of 14 mm. Does the key fit? Show the comparison.

Task 2

A lock body is 50 mm wide. A key shaft is 55 mm long. Using the hypothetical 10 mm pairing allowance, is the shaft length acceptable?

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Original tasks 3, 4 / independent work

Task 3

You draw a key bow as a square with 18 mm sides and a lock body with a 6 mm corner radius. Describe one way the pair can still read as matching.

Task 4

A student draws construction lines at the same darkness as final lines. State the fix and one measurable check.