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Sandial Sandtable Design

Gear Spacing Calculations

let’s crunch the numbers again—this time with a 1.2 mm pitch and gears of 15 teeth and 60 teeth.

⚙ Step-by-step Calculation

- Pitch Diameter of Gear 1 = 15 teeth × 1.2 mm = 18 mm
- Pitch Diameter of Gear 2 = 60 teeth × 1.2 mm = 72 mm

Now for the center distance:

Center Distance =1/2 × (18 + 72) = 1/2 × 90 = 45mm

 Final Answer: Center spacing = 45 mm

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