

FACT SHEET - ONLINE TEST

TAM™

The TAM is a psychometric test that provides a measure of mechanical reasoning, based on spatial abilities and knowledge of the main physical and mechanical principles. This automated tool provides a quick overview of the candidate's ability to understand and apply various physical and mechanical principles in their daily work.

EVALUATED DIMENSIONS

- ▶ Heat
- ▶ Direction
- ▶ Electricity
- ▶ Gear
- ▶ Forces
- ▶ Lever
- ▶ Plan and velocity
- ▶ Pulley
- ▶ Volume

FORMAT

68 multiple-choice questions

PRICE

\$35

DURATION

30 minutes

LANGUAGES AVAILABLE

French
English

PSYCHOMETRIC QUALITIES

- ▶ Norms: The TAM was validated in 2015, and its norms were revised in 2018 based on a normative sample of 1,864 French- and English-speaking individuals in Canada (Quebec, Ontario, New Brunswick, Nova Scotia, Alberta, and Manitoba), primarily aged 15 to 55 and with a vocational level of education.
- ▶ Reliability: The internal consistency of the scales (based on Cronbach's alpha coefficients) ranges from 0.73 to 0.88, with a global coefficient of 0.84. The test-retest correlation coefficient is 0.84, indicating that the test results are stable over time (9-week interval).
- ▶ Validity: The correlation coefficients between TAM results and those of other recognized mechanical reasoning tests range from 0.71 to 0.84 (convergent validity).

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