Seliant Mechanical Reasoning Test

The Seliant Mechanical Reasoning Test evaluates a candidate's practical understanding of how machines and physical systems behave. Each question pictures an everyday mechanical situation (gears, levers, pulleys, liquids, loads or a simple circuit) and asks what will happen or which arrangement works best. No formulas or calculations are needed.

The test is especially valuable for hiring machine and production operators, assembly line workers, mechanics and maintenance technicians, and for selecting apprentices and trainees entering these trades.

Detailed Test Report

When a candidate completes the test, a two-page test report is ready to download or print. The first page gives a clear summary of the candidate's performance: the score, a percentile rank and a band (Lower, Middle or Upper), shown against the norm group's score distribution. For example, a candidate at the 52nd percentile has scored better than about 52% of the norm group, which is based on 5,460 test results from our 2026 norming study.

The second page lists every question with its content area and shows whether it was answered correctly, incorrectly or not at all.

Measures
Practical understanding of how machines and physical systems behave, across 13 content areas such as gears, levers, pulleys, forces, liquids and heat.

Suitable occupations
Machine and production operators, assembly line workers, mechanics, maintenance technicians, and apprentices and trainees entering these trades.

Items
32 questions, in two equivalent forms

Time limit
20 minutes

Languages
English, Danish, German, French, Spanish and Portuguese

Scientifically Validated

Backed by research and rigorous validation, the Seliant Mechanical Reasoning Test was calibrated on 2,894 test takers and confirmed on 5,460 test results. Its two forms are equally difficult, with reliabilities of 0.80 and 0.81. Refer to the test manual for more information.

Requirements

The test runs in any up-to-date browser on a PC, Mac, tablet or phone with a stable internet connection. A computer or tablet is recommended, as every question is a picture.
You can run the test on-site, or the candidate can complete it in the comfort of their own home.

Quick and Easy to Administer

Designed for efficiency, the test has a 20-minute time limit, and half of all candidates finish in under 12 minutes. Candidates choose their own language, and anyone who retakes the test is automatically given the other form.

Try the Test

Please contact us by e-mail to try the test yourself or to request the test manual.