

Range of Use

The TALENTBRÜCKE – Motor Skills Exercise can be used as an activity-oriented method to measure fine motor skills. It can be classified in the category of occupational performance tests. In addition, this wire bending exercise allows statements to be made about work behavior.

Structure and Content

The task is to bend a wire according to a given pattern with your bare hands. The final product is assessed on the basis of two different criteria: the processing time and the quality of the result are included in the evaluation. Thus, not only a statement about the participant's manual dexterity can be made, but also about his work behavior.

Application and Evaluation

Execution: To carry out the TALENTBRÜCKE – Motor Skills Exercise, a 30 cm long wire and a worksheet are required for each person. Additional tape and a stopwatch are required for each test.

Processing Time: A maximum of 12 minutes is available for processing the task. The participants decide independently on the processing time until the time has elapsed.

Evaluation: A transparent template is used for qualitative evaluation. Subsequently, the TALENTBRÜCKE – Software is used for standardization and result presentation. The result display shows a normalized value for quality and processing speed.

Normalization: No significant gender or school form differences were found during normalization (n=14,663).

Theoretical Background and Test Development

Motor skills are defined as a person's ability to successfully deal with the environment through perception and movement. They refer to all control and functional processes that are responsible for movement actions. All motoric processes are determined on the one hand by physiological conditions (e.g. muscle strength and endurance) and on the other hand by information processing processes in the brain. A distinction is made between coarse and fine motor skills. The TALENTBRÜCKE – Motor Skills Exercise covers fine motor skills and is based on the wire bending test (Lienert, 1967).