

DIN 51222:2017-02 (E)

Materials testing machines - Impact test - Particular requirements on pendulum impact testing machines with a capacity of nominal energy $< \text{kleiner} \Rightarrow 50 \text{ J}$ and verification

Contents		Page
Foreword		3
Introduction		4
1 Scope		5
2 Normative references		5
3 Terms and definitions.....		5
4 Symbols and abbreviated terms.....		5
5 Direct verification of the pendulum machine		5
5.1 General		5
5.2 Machine framework		6
5.3 Pendulum.....		6
5.4 Position of the framework/pendulum		7
5.5 Supports and anvils for the test specimen		7
5.6 Clearance between the anvils and the pendulum		7
5.7 Position of the centre of percussion.....		7
5.8 Device for indicating absorbed energy		8
5.8.1 Analogue indication.....		8
5.8.2 Digital indication.....		8
5.9 Potential energy (K_p).....		8
5.10 Error in the indicated absorbed energy (K_S)		8
5.11 Energy absorbed by friction		8
5.12 Velocity at impact.....		9
6 Direct verification		9
7 Indirect verification of the pendulum testing machine		9
8 Frequency of verification.....		9
9 Verification report.....		9
10 Designation		9
Bibliography		10