

# DIN EN ISO 10140-5:2010-12 (E)

## Acoustics - Laboratory measurement of sound insulation of building elements - Part 5: Requirements for test facilities and equipment (ISO 10140-5:2010)

---

Contents	Page
Foreword .....	3
Introduction .....	4
1 Scope .....	6
2 Normative references .....	6
3 Laboratory test facilities for airborne sound insulation measurements .....	7
4 Laboratory test facilities for impact sound insulation measurements .....	13
5 Equipment .....	14
Annex A (normative) Estimation of the maximum measurable sound reduction index .....	15
Annex B (normative) Standard basic elements for measuring the improvement of airborne sound insulation by linings .....	18
Annex C (normative) Standard floors for measuring the improvement of impact sound insulation by floor coverings .....	22
Annex D (normative) Qualification procedure for loudspeakers and loudspeaker positions .....	28
Annex E (normative) Standard tapping machine .....	32
Annex F (normative) Alternative impact sound sources .....	34
Annex G (normative) Wooden mock-up floor for measuring the improvement of impact sound insulation by floor coverings .....	39
Bibliography .....	40