ISO 10326-3:2024-11 (E)

Mechanical vibration - Laboratory method for evaluating vehicle seat vibration - Part 3: Specification of dynamic dummies for Z-axis motion

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols and abbreviated terms 3

5 Measuring instrumentation and vibration equipment 3

6 Requirements for dynamic dummies 4
6.1 Mass 4
6.2 Mechanical components 4
6.3 Seat contact 4
6.4 Apparent mass 4

7 Validation test for dynamic dummies 6

8 Test report 8

Annex A (informative) Idealized Z-axis (vertical) apparent mass at seat cushion of a lightweight (52 kg to 55 kg) group and of a heavyweight (98 kg to 115 kg) group 9

Annex B (informative) An example of passive dynamic dummy 14

Annex C (informative) Example of active dynamic dummy 18

Annex D (informative) Comparison of SEAT value of seats measured with an active dynamic dummy and with participants 19

Annex E (informative) Example of setting up a dynamic dummy on a seat for measuring seat transmissibility 21

Bibliography 22