ISO 13674-2:2016-04 (E)

Road vehicles - Test method for the quantification of on-centre handling - Part 2: Transition test

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms, definitions and symbols 1

4 Principle 2

5 Variables 2
5.1 Reference system 2
5.2 Variables to be measured 2

6 Measuring equipment 3
6.1 Description 3
6.2 Transducer installations 3
6.3 Data processing 3

7 Test conditions 3
7.1 General 3
7.2 Test track 4
7.3 Wind velocity 4
7.4 Test vehicle 4
7.4.1 General data 4
7.4.2 Tyres 4
7.4.3 Operating components 4
7.4.4 Loading conditions of the vehicle 5

8 Test procedure 5
8.1 Warm-up 5
8.2 Initial driving condition 5
8.3 Transition test procedure 5

9 Data evaluation and presentation of results 6
9.1 General 6
9.2 Time histories 6
9.3 Characteristic values 6
9.3.1 Presentation of results 6
9.3.2 Steering-wheel torque versus steering-wheel angle (MH vs. H) 9
9.3.3 Yaw velocity versus steering-wheel angle (d / dt vs. H) 9
9.3.4 Yaw velocity versus steering-wheel torque (d / dt vs. MH) 9
9.3.5 Lateral acceleration versus steering-wheel angle (ay vs. H) 9
9.3.6 Lateral acceleration versus steering-wheel torque (ay vs. MH) 9

Annex A (informative) Characteristic values 10

Bibliography 15