DIN EN ISO 4210-5:2023-05 (E)

Cycles - Safety requirements for bicycles - Part 5: Steering test methods (ISO 4210-5 :2023)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Test methods ... **6**

4.1 Handlebar grips and plugs ... 6

4.1.1 Freezing test ... 6

4.1.2 Hot water test ... 7

4.2 Handlebar stem — Lateral bending test ... 7

4.3 Handlebar and stem assembly — Lateral bending test ... 8

4.4 Handlebar stem — Forward bending test ... 10

4.4.1 Test method for stage 1 ... 10

4.4.2 Test method for stage 2 ... 12

4.5 Handlebar to handlebar stem — Torsional security test ... 12

4.6 Handlebar stem to fork steerer — Torsional security test ... 12

4.7 Bar end to handlebar — Torsional security test ... 13

4.8 Aerodynamic extensions to handlebar — Torsional security test ... 14

4.9 Handlebar and stem assembly — Fatigue test ... 15

4.9.1 Test method except drop handlebar ... 15

4.9.2 Test method for drop handlebar ... 17