

# ISO 4210-5:2014-07 (E)

## Cycles - Safety requirements for bicycles - Part 5: Steering test methods

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Test methods .....	1
4.1	Handlebar grips and plugs .....	1
4.1.1	Freezing test .....	1
4.1.2	Hot water test .....	2
4.2	Handlebar stem -- Lateral bending test .....	2
4.3	Handlebar and stem assembly -- Lateral bending test .....	3
4.4	Handlebar stem -- Forward bending test .....	5
4.4.1	Test method for stage 1 .....	5
4.4.2	Test method for stage 2 .....	7
4.5	Handlebar to handlebar stem -- Torsional security test .....	7
4.6	Handlebar stem to fork steerer -- Torsional security test .....	7
4.7	Bar end to handlebar -- Torsional security test .....	8
4.8	Aerodynamic extensions to handlebar -- Torsional security test .....	9
4.9	Handlebar and stem assembly -- Fatigue test .....	10
4.9.1	Test method for city and trekking, young adult, and mountain bicycles .....	10
4.9.2	Test method for racing bicycles .....	12