

# DIN EN ISO 4210-2:2015-12 (E)

## Cycles - Safety requirements for bicycles - Part 2: Requirements for city and trekking, young adult, mountain and racing bicycles (ISO 4210-2:2015)

---

### Contents

Page

Europeanforeword .....	4
4.10.5    Wheels -- Quick-release devices -- Operating features .....	24
4.11      Rims, tyres, and tubes .....	24
4.11.1    General .....	24
4.11.2    Tyre inflation pressure .....	24
4.11.3    Tyre and rim compatibility .....	24
4.11.4    Tubular tyres and rims .....	24
4.11.5    Rim-wear .....	25
4.11.6    Greenhouse effect test for composite wheels .....	25
4.12      Front mudguard .....	25
4.13      Pedals and pedal/crank drive system .....	25
4.13.1    Pedal tread .....	25
4.13.2    Pedal clearance .....	26
4.13.3    Pedal -- Static strength test .....	27
4.13.4    Pedal -- Impact test .....	27
4.13.5    Pedal -- Dynamic durability test .....	27
4.13.6    Drive system -- Static strength test .....	27
4.13.7    Crank assembly -- Fatigue test .....	28
4.14      Drive-chain and drive belt .....	28
4.14.1    Drive-chain .....	28
4.14.2    Drive belt .....	28
4.15      Chain-wheel and belt-drive protective device .....	28
4.15.1    Requirements .....	28
4.15.2    Chain-wheel disc and drive pulley disc diameter .....	29
4.15.3    Chain and drive belt protective device .....	30
4.15.4    Combined front gear-change guide .....	31
4.16      Saddles and seat-posts .....	32
4.16.1    Limiting dimensions .....	32
4.16.2    Seat-post -- Insertion-depth mark or positive stop .....	32
4.16.3    Saddle/seat-post -- Security test .....	32
4.16.4    Saddle -- Static strength test .....	33
4.16.5    Saddle and seat-post clamp -- Fatigue test .....	33
4.16.6    Seat-post -- Fatigue test .....	33
4.17      Spoke protector .....	33
4.18      Luggage carriers .....	34
4.19      Road test of a fully assembled bicycle .....	34
4.20      Lighting systems and reflectors .....	34
4.20.1    General .....	34
4.20.2    Wiring harness .....	34
4.20.3    Lighting systems .....	34
4.20.4    Reflectors .....	34
4.21      Warning device .....	35
5          Manufacturer's instructions .....	35
6          Marking .....	37
6.1        Requirement .....	37
6.2        Durability test .....	37
Annex A (informative) Steering geometry .....	38
Bibliography .....	39