

Contents

	Page
European foreword	3
Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Frame test methods	6
4.1 Frame — Impact test (falling mass)	6
4.1.1 General	6
4.1.2 Test method	7
4.2 Frame and front fork assembly — Impact test (falling frame)	9
4.2.1 General	9
4.2.2 Test method	9
4.3 Frame — Fatigue test with pedalling forces	11
4.3.1 General	11
4.3.2 Test method	11
4.4 Frame — Fatigue test with horizontal forces	13
4.4.1 General	13
4.4.2 Test method	14
4.5 Frame — Fatigue test with a vertical force	14
4.5.1 General	14
4.5.2 Test method	15
4.6 Rear brake mount tests	16
4.6.1 General	16
4.6.2 Static rear brake torque test	16
4.6.3 Rear brake mount fatigue test	17
5 Fork test methods	19
5.1 Suspension forks — Tyre-clearance test	19
5.2 Front fork — Tensile test	19
5.2.1 Test method — Suspension fork	19
5.2.2 Test method — Rigid, non-welded fork	19
5.3 Front fork — Static bending test	19
5.4 Front fork — Rearward impact test	20
5.4.1 Test method 1	20
5.4.2 Test method 2 (only for forks made entirely of metal)	22
5.4.3 Test method 3	22
5.5 Front fork — Bending fatigue test and rearward impact test	23
5.6 Forks intended for use with hub or disc brakes	24
5.6.1 General	24
5.6.2 Fork for hub/disc brake — Static brake-torque test	24
5.6.3 Fork for hub brake — Brake mount fatigue test	27
5.6.4 Fork made of composite materials designed for disc brakes	28
5.7 Fork steerer tube and stem assembly — Fatigue test	29
5.7.1 General	29
5.7.2 Test method	29
Annex A (informative) Dummy fork characteristics	31
Annex B (normative) Fork mounting fixture	33
Annex C (informative) Suspension frames — Tyre-clearance test	34