

ISO 20957-8:2017-10 (E)

Stationary training equipment - Part 8: Steppers, stairclimbers and climbers - Additional specific safety requirements and test methods

Contents		Page
Foreword		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Classification	6
5	Safety requirements	6
5.1	General	6
5.2	External construction	6
5.2.1	Additional requirements for squeeze and shear points within the accessible area	6
5.2.2	Temperature of accessible surfaces	6
5.3	Intrinsic loading	6
5.4	Handrails/handlebars	6
5.5	Footplatforms and stairs	7
5.5.1	Footplatforms	7
5.5.2	Stairs	7
5.6	Endurance	7
5.7	Freewheel	7
5.8	Additional requirement for class A	7
5.9	Additional requirements for stairclimbers	8
5.9.1	Stepping on and stepping off	8
5.9.2	Manual stopping system	8
5.9.3	Automatic stopping system to reduce the risk of entrapment	8
5.10	Additional requirements for seated steppers	8
5.10.1	Movable handlebars	8
5.10.2	Non-movable handlebars	8
5.10.3	Seat handlebars	9
5.10.4	Seat backrest	9
5.11	Additional instructions for use	9
6	Test methods	9
6.1	General	9
6.1.1	Dimensional check	9
6.1.2	Visual examination	9
6.1.3	Tactile examination	9
6.1.4	Performance test	9
6.2	Testing of temperature of accessible surfaces	9
6.3	Testing of intrinsic loading	10
6.3.1	General	10
6.3.2	Stepper or climber with independent action	10
6.3.3	Stepper or climber with dependent action	10
6.3.4	Stairclimber	10
6.4	Testing of handrails/handlebars	11
6.5	Testing of friction	11
6.6	Endurance testing	12
6.6.1	General	12
6.6.2	Endurance testing for stairclimbers	12

6.6.3	Endurance testing for steppers	12
6.7	Testing of the additional requirements for class A	12
6.8	Testing of stepping on and stepping off	13
6.9	Testing of stopping system and clearance between moving stairs and floor or structure.13 6.10 Testing for additional requirements for seated steppers	14
6.10.1	Movable handlebars	14
6.10.2	Non-movable handlebars	14
6.10.3	Seat handlebars	14
6.10.4	Seat backrest	14
7	Test report	15
	Bibliography	16