

ISO 18646-5:2026-07 (E)

Robotics - Performance criteria and related test methods for service robots - Part 5: Locomotion for legged robots

Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Test conditions	2
4.1 General	2
4.2 Environmental conditions	2
4.3 Travel surface conditions	2
4.4 Operating conditions	3
5 Rated speed	3
5.1 Purpose	3
5.2 Test facility	3
5.3 Test procedure	3
5.4 Test result	4
6 Stopping distance	4
6.1 Purpose	4
6.2 Test facility	4
6.3 Test procedure	5
6.4 Test result	5
7 Maximum climbing height	5
7.1 Purpose	5
7.2 Test facility	6
7.3 Test procedure	6
7.4 Test result	6
8 Capacity to climb stairs	6
8.1 Purpose	6
8.2 Test facility	7
8.3 Test procedure	7
8.4 Test result	8
9 Maximum slope angle	8
9.1 Purpose	8
9.2 Test facility	8
9.3 Test procedure	9
9.4 Test result	9
10 Dragging force	10
10.1 Purpose	10
10.2 Test facility	10
10.3 Test procedure	11
10.4 Test result	11

11	Crossing capacity	11
11.1	Purpose	11
11.2	Test facility	11
11.3	Test procedure	13
11.4	Test result	13
12	Minimum pass-through height	13
12.1	Purpose	13
12.2	Test facility	13
12.3	Test procedure	14
12.4	Test result	14
13	Minimum travel width	14
13.1	Purpose	14
13.2	Test facility	14
13.3	Test procedure	15
13.4	Test result	16
Annex A (normative) Test report		17
Bibliography		18