

ISO 5395:1990-10 (E)

Power lawn-mowers, lawn tractors, lawn and garden tractors, professional mowers, and lawn and garden tractors with mowing attachments; definitions; safety requirements and test procedures

Contents	Page
Section 1 General	1
1.1 Scope	1
1.2 Normative references	1
1.3 Definitions	2
Section 2 Basic requirements	5
2.1 Application	5
2.2 Safety protection	5
Section 3 Requirements for rotary mowers	10
3.1 Application	10
3.2 General construction	10
3.3 Test procedures	12
3.4 Pedestrian-controlled machines; additional requirements	22
3.5 Ride-on (riding) machines; additional requirements	24
3.6 Towed units; requirements	25
3.7 Professional (commercial) mowers and turf care equipment: additional requirements	26
Section 4 Requirements for cylinder mowers	27
4.1 Applications	27
4.2 General construction; guarding and shielding	27
4.3 Thrown grass, thrown objects, operator safety	27
4.4 Pedestrian-controlled machines; requirements	27
4.5 Ride-on (riding) machines; requirements	30
4.6 Towed units; requirements	30
4.7 Professional (commercial) mowers and turf care equipment: additional requirements	30
Annexes	
A Guarding principles	31
A.1 Safety distance from dangerous parts	31
A.2 Round reach	31
A.3 Reaching in and through elongated openings with parallel sides	33
A.4 Reaching in and through Square or circular apertures	34
A.5 Openings of irregular shape	34
B Test enclosure	35
B.1 Base	35
B.2 Target composition	35
C Corrugated fibreboard penetration tests on rotary mowers; test enclosure wall panels	38
C.1 Purpose	38
C.2 Test fixture	38
C.3 Fibreboard samples	38
C.4 Procedure	38
C.5 Recommended acceptance criteria	38

D Specimen test report of thrown object test.....	40
D.1 Target elevation areas	40
D.2 Data sheet	40
D.3 Test acceptance (pass/fail criteria)	40
E Safety Instructions for rotary mowers: pedestrian and ride-on, cylinder mowers; pedestrian and ride-on.....	42
E.1 Safe Operation practices for walk-behind rotary mowers	42
E.2 Safe Operation practices for ride-on (riding) rotary mowers	43
E.3 Safe operation practices for walk-behind cylinder mowers	44
E.4 Safe operation practice for ride-on (riding) cylinder mower machines.....	45
F Bibliography.....	46