

# ISO 4254-13:2012-08 (E)

## Agricultural machinery - Safety - Part 13: Large rotary mowers

---

Contents	Page
Foreword .....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	2
3 Terms and definitions .....	2
3.1 Rotary mowers .....	2
3.2 Cutting elements .....	3
3.3 Thrown-object testing .....	4
4 Safety requirements and/or protective measures .....	5
4.1 General .....	5
4.2 Protection against thrown objects .....	5
4.3 Protection against inadvertent contact with the cutting elements .....	5
4.4 Rotating power component guarding and shielding .....	5
4.5 Overrunning clutch or freewheel device .....	5
4.6 Attachment means for trailede mowers .....	6
4.7 Attachment means for mounted and semi-mounted mowers .....	6
4.8 Cutting elements .....	6
4.9 Impact of the cutting means assemblies .....	6
4.10 Unbalance .....	6
4.11 Structural integrity .....	7
5 Verification of safety requirements and/or measures .....	7
5.1 Test conditions -- General .....	7
5.2 Foot-probe test .....	7
5.3 Impact test for cutting-element assemblies .....	9
5.4 Unbalance test for the cutting element .....	12
5.5 Structural integrity test .....	13
5.6 Thrown-object test .....	14
5.7 Charpy impact strength test .....	21
5.8 Cutting-element bend test .....	21
6 Information for use .....	23
6.1 Operator's manual .....	23
7 Marking and safety signs .....	24
7.1 Marking .....	24
7.2 Safety signs .....	24
Annex A (informative) List of significant hazards .....	25
Annex B (informative) Examples of test recording forms .....	27
Annex C (informative) Example illustrations of mowers .....	30
Annex D (normative) Corrugated fibreboard penetration tests .....	34
Bibliography .....	36