

DIN EN 1459-1:2020-07 (E)

Rough-terrain trucks - Safety requirements and verification - Part 1: Variable-reach trucks (includes Amendment A1:2020)

Contents		Page
European foreword		4
Introduction		6
1	Scope	7
2	Normative references	8
3	Terms and definitions	11
4	Safety requirements and/or protective measures	15
4.1	General	15
4.2	"Starting/stopping of engine and moving machine"	16
4.3	Brakes	17
4.4	Electrical and electronic systems	17
4.5	Controls	20
4.6	Power systems and accessories	24
4.7	Stabilizing devices	26
4.8	Design requirements for maintenance purposes	28
4.9	Systems for lifting, tilting and reaching	29
4.10	Operator's station	31
4.11	Operator access	36
4.12	Protective measures and devices	37
4.13	Stability requirements	38
4.14	Visibility	39
4.15	Lighting	39
4.16	Fire protection	39
4.17	Retrieval, transportation and lifting	39
4.18	Noise	40
4.19	Electromagnetic compatibility	40
5	Verification of requirements and safety measures	41
5.1	General	41
5.2	Functional verification	41
5.3	Structural verification	41
5.4	Load holding verification	42
6	Information for use	42
6.1	General	42
6.2	Graphical symbols and warning	43
6.3	Instruction handbook	48
6.4	Marking	52
6.5	Load chart	52
Annex A (informative) List of significant hazards		55
Annex B (informative) Consistency of motions		61
Annex C (normative) Rules for the construction and layout of pedals		62
C.1	Definitions	62

C.2	Requirements	62
C.3	Design and manufacture	63
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered		
		65
Bibliography		69