

DIN EN 1459-4:2021-04 (E)

Rough-terrain trucks - Safety requirements and verification - Part 4: Additional requirements for variable-reach trucks handling freely suspended loads

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Safety requirements and/or protective/risk reduction measures	7
4.1	General	7
4.1.1	Context	7
4.1.2	Specific relation to EN 1459-1 and EN 1459-2	7
4.2	Stability	8
4.2.1	Load chart for suspended load lifting attachment(s)	8
4.3	Connection point for lifting accessories	8
4.3.1	General	8
4.3.2	Maximum rated load lifting capacity	8
4.3.3	Strength of the connection point for lifting accessories	8
4.4	Dynamic structural integrity	8
5	Verification of safety requirements and/or protective/risk reduction measures	8
5.1	Tests for trucks and for lifting attachments	8
5.2	Dynamic structural test	9
5.2.1	General	9
5.2.2	General test set up	9
5.2.3	Test procedure	10
5.2.4	Acceptance criteria	11
5.3	Additional requirements for pick and carry	11
5.3.1	General	11
5.3.2	Lateral test procedure	11
5.3.3	Longitudinal stability by test loading	12
5.3.4	Acceptance criteria	12
5.4	Strength tests for the connection point for lifting accessories	13
6	Information for use	13
6.1	General	13
6.2	Instruction handbook	13
6.3	Load chart	14
6.3.1	Load chart for lifting attachments	14
6.3.2	Load chart for connection point for lifting accessories	14
6.3.3	Marking	14
Annex A (informative)	List of significant hazards	15
Annex ZA (informative)	Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC on machinery	17
Bibliography		22