

DIN EN 1570:2009-12 (E)

Safety requirements for lifting tables (includes Amendment A2:2009)

Contents		Page
Foreword		4
Introduction		5
1	Scope	5
2	Normative references	6
3	Definitions	7
4	List of hazards	9
5	Safety requirements	14
5.1	Calculations	14
5.1.1	Stress	14
5.1.2	Stability	15
5.2	Safeguarding	15
5.3	Speeds	18
5.4	Platform	19
5.5	Operator control position	19
5.6	Mobile lifting tables	20
5.7	Mechanical driving system	22
5.8	Hydraulic system	24
5.9	Pneumatic system	25
5.10	Electrical system	26
5.10.1	General	26
5.10.2	Electrical installations and equipment	26
5.11	Safety devices	26
6	Marking	26
7	Information for use	28
8	Verification of the safety requirements and/or measures	30
8.1	General	30
8.1.1	Tests	30
8.1.2	Design check	31
8.1.3	Manufacturing check	31
8.1.4	Visual inspection	31
8.1.5	Practical tests	31
8.1.6	Electrical tests	31
8.1.7	Individual final verification before despatch	32
Annex A (informative) Overloading		33
Annex B (normative) Noise		34
Annex C (normative) Test procedures		35
C.1	Practical tests for Type Testing Procedures	35
C.2	Practical tests for fitness for purpose test before despatch	36

C.3	Practical tests for fitness for purpose test when the lifting table has been manufactured to an approved quality assurance system (e.g. EN ISO 9001 [2000 revision])	36
	Annex D (informative) Test certificate for lifting tables	37
D.1	Description	37
D.2	Tests	37
	Annex E (informative) Controls	39
	Annex F (normative) Manual force measurement methods	42
F.1	Maximum allowed forces for mobile lifting tables	42
F.2	Conditions for test	42
F.3	Measurement of starting force and rolling force	42
F.4	Starting force	42
F.5	Rolling force	42
F.6	Average forces	42
F.7	Hand or foot forces	43
	Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC	44
	Annex ZB (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC	45