

DIN EN 280:2010-02 (E)

Mobile elevating work platforms - Design calculations - Stability criteria - Construction - Safety - Examinations and tests (includes Amendment A2:2009)

Contents		Page
Foreword		3
Introduction		4
1 Scope		5
2 Normative references		6
3 Terms and definitions		7
4 List of hazards		11
5 Safety requirements and/or measures		17
5.1 General		17
5.2 Structural and stability calculations		17
5.3 Chassis and stabilisers		28
5.4 Extending structure		32
5.5 Extending structure drive systems		36
5.6 Work platform		41
5.7 Controls		43
5.8 Electrical equipment		44
5.9 Hydraulic systems		45
5.10 Hydraulic cylinders		46
5.11 Safety devices		52
6 Verification of the safety requirements and/or measures		54
6.1 Examinations and tests		54
6.2 Type tests of MEWPs		57
6.3 Tests before placing on the market		57
7 Information for use		58
7.1 Instruction handbook		58
7.2 Marking		61
Annex A (informative) Use of MEWPs in wind speeds greater than 12.5 m/s (Beaufort-Scale 6)		64
Annex B (informative) Dynamic factors in stability and structural calculations		65
Annex C (normative) Calculation of wire rope drive systems		67
Annex D (informative) Calculation example - wire rope drive systems		74
Annex E (informative) Calculation example - factor "s", kerb test		81
Annex ZA (informative) #####Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC amended by Directive 98/79/EC\$\$\$\$		82
Annex ZB (informative) #####Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC\$\$\$\$		83
Bibliography		84

