

# DIN EN 1808:2015-08 (E)

## Safety requirements for suspended access equipment - Design calculations, stability criteria, construction - Examinations and tests

---

<b>Contents</b>	<b>Page</b>
Foreword .....	3
Introduction .....	4
1 Scope .....	5
2 Normative references .....	6
3 Terms and definitions, symbols and abbreviations .....	6
4 Hazards and preventative actions .....	23
5 Safety requirements and/or measures .....	27
6 Structural, stability and mechanical calculations for SAE .....	27
7 Suspended platforms .....	47
8 Hoisting systems .....	57
9 Suspension rigs .....	66
10 Electrical, hydraulic and pneumatic systems .....	72
11 Control systems .....	73
12 Verification and certification .....	77
13 Marking of SAE .....	79
14 Accompanying documents .....	81
Annex A (normative) Platform type-tests .....	85
Annex B (normative) Hoist and secondary device type-tests .....	90
Annex C (normative) Suspension rig type-tests .....	96
Annex D (informative) Guidance on the presentation and interpretation of loads imposed by SAE structures .....	98
Annex E (informative) Maximum permitted horizontal displacement of platform .....	101
Annex F (normative) Guidance on the requirements for wireless control systems .....	105
Annex G (normative) Design requirements for rail tracks, monorail tracks and support systems ....	107
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC .....	130
Bibliography .....	131