DIN EN 13977:2007-11 (E)

Railway applications - Track - Safety requirements for portable machines and trolleys for construction and maintenance (includ es Amendment A1:2007)

Contents

Page

Foreword 4
0 Introduction 5
1 Scope 6
1.1 General 6
1.2 Validity of this document 6
2 Normative references 7
3 Terms and definitions 8
4 List of significant hazards 8
5 Safety requirements and/or safety measures 8
5.1 General 8
5.2 Handling devices 9
5.3 Wheels and rollers 9
5.4 Immobilisation device 10
5.5 Clamping and/or supporting devices 10
5.6 Power generation and transmission equipment 10
5.7 Tools 11
5.8 Interlocking device 11
5.9 Location of control devices 11
5.10 Warning devices 11
5.11 Isolation from external electrical voltages 11
5.12 Lighting 11
5.13 Prevention of emission of pollutants 11
5.14 Painting 12
5.15 Stability 12
5.16 Conformance to gauge 12
5.17 Time for off-tracking 12
6 Verification of the safety requirements and/or measures 13
6.1 General 13
6.2 Type verification 13
6.3 Conformity to type 13
6.4 Verification methods 13
6.5 Conformity evaluation procedures 14
7 Information for use 14
7.1 General 14
7.2 Instruction handbook 14

7.3 Instructions for assembly 14
7.4 Instructions for use 15
7.5 Marking 18
7.6 Symbols and warning devices 18
Annex A (normative) List of significant hazards 19
Annex B (normative) Clearance gauge for portable machines and trolleys 21
Annex C (normative) Type verification 23
Annex D (informative) Declaration of type verification 26
Annex E (normative) Portable machine and trolley marking 27
Annex F (normative) Conformity to type verification 28
Annex G (informative) Special conditions 31
Annex H (informative) Rail cutting off machines 32
Annex I (normative) A1 Noise reduction 33
Annex J (normative) Noise test code for portable machines and trolleys for construction and maintenance – Grade of accuracy 2 and 3 34
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC 39
Bibliography 40