DIN EN 13146-3:2012-06 (E)

Railway applications - Track - Test methods for fastening systems - Part 3: Determination of attenuation of impact loads

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions, symbols and abbreviations 4
3.1 Terms and definitions 4
3.2 Symbols and abbreviations 4

4 Principle 5

5 Apparatus 5
5.1 Concrete sleeper or bearer 5
5.2 Support 5
5.2.1 Reference method 5
5.2.2 Alternative method 6
5.3 Rail 6
5.4 Strain measuring and recording equipment 6
5.5 Drop mass 6
5.6 Preloading equipment 7

6 Test specimens 7
6.1 Concrete sleeper or bearer 7
6.2 Fastening 7

7 Procedure - Reference method 8
7.1 Preparation 8
7.2 Testing 8
7.3 Check on sleeper condition 8
7.4 Calculation 8

8 Procedure - Alternative method 9
8.1 Preparation 9
8.2 Testing and checking 9
8.3 Calculation 9

9 Test report 9

Annex A (informative) Sample calculation 11