DIN EN ISO 22074-4:2026-09 (E)

Railway infrastructure - Rail fastening systems - Part 4: Test methods for resistance to repeated loading (ISO 22074-4:2022 + Amd 1:2026) (includes Amendment A1:2026)

Contents

Page

Foreword ... **iv**

A1 Foreword to Amendment 1 A1 ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Symbols ... **2**

5 Test procedure ... **3**

5.1 General principle ... 3

5.2 Apparatus ... 4

5.2.1 Rail ... 4

5.2.2 Actuator ... 4

5.2.3 Load application head ... 4

5.2.4 Displacement measuring instruments ... 4

5.2.5 Force measuring instruments ... 5

5.3 Test specimens ... 5

5.3.1 Sleeper or other rail support ... 5

5.3.2 Fastening ... 5

5.4 Procedure for one rail ... 5

5.4.1 General ... 5

5.4.2 Preparation for test ... 5

5.4.3 Clamping force ... 6

5.4.4 Longitudinal rail restraint ... 6

5.4.5 Vertical static stiffness of fastening assembly ... 6

5.4.6 Cyclic loading ... 7

5.4.7 Repeat tests ... 11

5.4.8 Final inspection ... 11

5.5 Procedure for two rails ... 11

5.5.1 General ... 11

5.5.2 Apparatus ... 11

5.5.3 Procedure ... 12

6 Test report ... **13**

Bibliography ... **15**