

DIN EN ISO 22074-4:2024-07 (E)

Railway infrastructure - Rail fastening systems - Part 4: Test methods for resistance to repeated loading (ISO 22074-4:2022)

Contents		Page
European foreword		3
Foreword.....		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Symbols	6
5	Test procedure	7
5.1	General principle	7
5.2	Apparatus.....	8
5.2.1	Rail.....	8
5.2.2	Actuator.....	8
5.2.3	Load application head.....	8
5.2.4	Displacement measuring instruments.....	8
5.2.5	Force measuring instruments.....	9
5.3	Test specimens.....	9
5.3.1	Sleeper or other rail support.....	9
5.3.2	Fastening.....	9
5.4	Procedure for one rail.....	9
5.4.1	General.....	9
5.4.2	Preparation for test.....	9
5.4.3	Clamping force.....	10
5.4.4	Longitudinal rail restraint.....	10
5.4.5	Vertical static stiffness of fastening assembly.....	10
5.4.6	Cyclic loading.....	11
5.4.7	Repeat tests.....	15
5.4.8	Final inspection.....	15
5.5	Procedure for two rails.....	15
5.5.1	General.....	15
5.5.2	Apparatus.....	15
5.5.3	Procedure.....	16
6	Test report	17
Bibliography		19