

DIN EN 15085-5:2023-05 (E)

Railway applications - Welding of railway vehicles and components - Part 5: Inspection, testing and documentation

| Contents | Page |
|--|-------------|
| European foreword | 3 |
| Introduction | 5 |
| 1 Scope | 6 |
| 2 Normative references | 6 |
| 3 Terms and definitions | 7 |
| 4 Inspection and testing of welded joints | 7 |
| 4.1 General | 7 |
| 4.2 Inspection and testing before welding | 7 |
| 4.2.1 Welding coordination team | 7 |
| 4.2.2 Welder or welding operator | 7 |
| 4.3 Inspection and testing during welding | 8 |
| 4.3.1 Welding coordination team | 8 |
| 4.3.2 Welder or welding operator | 8 |
| 4.4 Inspection and testing after welding | 8 |
| 4.4.1 General | 8 |
| 4.4.2 Welding coordination team | 8 |
| 4.4.3 Welder or welding operator | 8 |
| 4.5 Qualification of visual inspection personnel | 8 |
| 4.5.1 General | 8 |
| 4.5.2 Visual Inspection | 9 |
| 4.6 Requirement for other non-destructive examination personnel | 9 |
| 4.7 Type and extent of non-destructive testing | 9 |
| 4.8 First article inspection (FAI) | 10 |
| 4.8.1 General | 10 |
| 4.8.2 Requirements for first article inspection (FAI) | 11 |
| 4.8.3 Documentation requirements of the FAI | 12 |
| 5 Test planning | 12 |
| 6 Documentation | 13 |
| 7 Management of welding defects | 13 |
| 7.1 General | 13 |
| 7.2 Non-conformance management process | 13 |
| 8 Traceability | 14 |
| Annex ZA (informative) Relationship between this European Standard and the Essential requirements of Directive (EU) 2016/797 aimed to be covered | 15 |
| Bibliography | 16 |