

DIN EN ISO 13669:2025-12 (E)

Fasteners - Grooved pins - General requirements (ISO 13669:2025)

| Contents | | Page |
|------------------------------|--|-------------|
| Foreword | | iv |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Shapes and ends for grooved pins | 2 |
| 4.1 | Ends for grooved pins | 2 |
| 4.2 | Groove ends | 2 |
| 4.3 | Groove shapes | 3 |
| 4.3.1 | Diamond groove (symbol D) | 3 |
| 4.3.2 | oval groove (symbol O) | 3 |
| 4.3.3 | progressive groove (symbol P) | 3 |
| 5 | Principles for grooved pins and assembly | 3 |
| 5.1 | Principles for grooved pins | 3 |
| 5.2 | Assembly | 4 |
| 6 | Dimensions and tolerances | 5 |
| 6.1 | General | 5 |
| 6.2 | Expanded diameter d_2 and control method | 5 |
| 6.3 | Pin straightness | 7 |
| 7 | Mechanical and physical properties | 7 |
| 7.1 | General | 7 |
| 7.2 | Shear resistance | 7 |
| 7.3 | Hardness | 8 |
| 7.4 | Pins in materials other than non-heat treated steel or stainless steel | 9 |
| 8 | Inspection | 9 |
| 8.1 | Manufacturer's inspection | 9 |
| 8.2 | Supplier's inspection | 10 |
| 8.3 | Purchaser's inspection | 10 |
| 8.4 | Delivery of test results | 10 |
| 9 | Marking and labelling | 10 |
| 9.1 | Marking on grooved pins | 10 |
| 9.2 | Labelling on packages | 10 |
| Annex A (informative) | Control of straightness for grooved pins | 11 |
| Bibliography | | 16 |