

ISO 2320:2015-12 (E)

Fasteners - Prevailing torque steel nuts - Functional properties

| Contents | | Page |
|-----------------------|---|-------------|
| Foreword | | iv |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Symbols | 2 |
| 5 | Thread | 3 |
| 6 | Lubrication | 3 |
| 7 | Mechanical properties of prevailing torque nuts | 3 |
| 8 | Functional requirements for prevailing torque properties | 3 |
| 9 | Test method | 11 |
| 9.1 | General | 11 |
| 9.2 | Proof load test | 11 |
| 9.3 | Prevailing torque test | 11 |
| 9.3.1 | General | 11 |
| 9.3.2 | Test apparatus | 12 |
| 9.3.3 | Test parts | 12 |
| 9.3.4 | Test procedure | 13 |
| 9.3.5 | Test report | 15 |
| Annex A (normative) | Temperature influence on prevailing torques of nuts with non-metallic insert | 16 |
| Annex B (informative) | Principles for the evaluation of the total coefficient of friction, tot | 17 |
| Annex C (informative) | Test clamp force and prevailing torques for prevailing torque nuts M3 and M4 in property classes 8 and 10 | 18 |
| Bibliography | | 20 |