DIN EN ISO 2320:2016-05 (E)

Fasteners - Prevailing torque steel nuts - Functional properties (ISO 2320:2015)

Contents

Page

European foreword ... **3**

Foreword ... **4**

1 Scope ... **5**

2 Normative references ... **5**

3 Terms and definitions ... **5**

4 Symbols ... **6**

5 Thread ... **7**

6 Lubrication ... **7**

7 Mechanical properties of prevailing torque nuts ... **7**

8 Functional requirements for prevailing torque properties ... **7**

9 Test method ... **15**

9.1 General ... 15

9.2 Proof load test ... 15

9.3 Prevailing torque test ... 15

9.3.1 General ... 15

9.3.2 Test apparatus ... 16

9.3.3 Test parts ... 16

9.3.4 Test procedure ... 17

9.3.5 Test report ... 19

Annex A (normative) **Temperature influence on prevailing torques of nuts with non-metallic insert** ... **20**

Annex B (informative) **Principles for the evaluation of the total coefficient of friction, μ_{tot}** ... **21**

Annex C (informative) **Test clamp force and prevailing torques for prevailing torque nuts M3 and M4 in property classes 8 and 10** ... **22**

Bibliography ... **24**