# DIN EN ISO 20728:2018-12 (E)

## Corrosion of metal and alloys - Determination of resistance of magnesium alloys to stress corrosion cracking (ISO 20728:2018)

## Contents

Page


**European foreword** ... **3**

**Foreword** ... **4**

**1 Scope** ... **5**

**2 Normative references** ... **5**

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

**4 General principles** ... **6**

**5 Apparatus and materials** ... **6**
5.1 Loading apparatus ... 6
5.2 Construction materials for the test set-up ... 6
5.3 Specimen holders ... 6
5.4 Apparatus for alternate immersion in solutions ... 7

**6 Sampling** ... **7**

**7 Specimens** ... **9**
7.1 Type and sizes ... 9
7.2 Surface preparation ... 9
7.3 Specimen identification ... 10
7.4 Precautions ... 10

**8 Test environments** ... **10**

**9 Loading** ... **11**

**10 Procedure** ... **11**

**11 Assessment of results** ... **12**

**12 Expression of results** ... **13**

**13 Test report** ... **13**

**Annex A** (informative) **Assessment of grain size and orientation** ... **15**

**Bibliography** ... **16**