

# DIN EN ISO 7539-10:2020-09 (E)

## Corrosion of metals and alloys - Stress corrosion testing - Part 10: Reverse U-bend method (ISO 7539-10:2020)

---

### Contents

Page

|  |           |
|--|-----------|
| European foreword .....  | 3         |
| Foreword .....   | 4         |
| <b>1 Scope .....</b>   | <b>5</b>  |
| <b>2 Normative references .....</b>  | <b>5</b>  |
| <b>3 Terms and definitions .....</b>   | <b>5</b>  |
| <b>4 Principle .....</b>   | <b>5</b>  |
| <b>5 Specimens .....</b>   | <b>6</b>  |
| 5.1 General .....  | 6         |
| 5.2 Preparation of RUB specimens .....   | 6         |
| 5.2.1 Tubing and piping .....  | 6         |
| 5.2.2 Other products .....   | 6         |
| 5.2.3 Reverse U-bending process .....  | 7         |
| 5.3 Fastening RUB specimens with a loading bolt .....                                      | 7         |
| <b>6 Experimental procedure .....</b>  | <b>7</b>  |
| <b>7 Post-exposure evaluation .....</b>  | <b>8</b>  |
| <b>8 Test report .....</b>   | <b>9</b>  |
| <b>Annex A (informative) Preparation of non-pre-strained half tube RUB specimens .....</b> | <b>10</b> |
| <b>Annex B (informative) Preparation of RUB specimens with a gauge section .....</b>       | <b>13</b> |
| <b>Bibliography .....</b>  | <b>19</b> |