

**BRITISH STANDARD****BS EN ISO  
7539-4 : 1995**

# **Corrosion of metals and alloys — Stress corrosion testing**

## **Part 4. Preparation and use of uniaxially loaded tension specimens**

The European Standard EN ISO 7539-4 : 1995 has the status of a  
British Standard

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BS 6980 : Part 4 : 1990

## Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Iron and Steel Standards Policy Committee (ISM/-) and Non-ferrous Metals Standards Policy Committee (NFM/-) to Technical Committee ISM/NFM/8, upon which the following bodies were represented:

Aluminium Federation  
 British Gas plc  
 British Steel Industry  
 Department of Trade and Industry (National Physical Laboratory)  
 Department of Transport (Transport and Road Research Laboratory)  
 Electricity Supply Industry in England and Wales  
 Institution of Corrosion Science and Technology  
 Institution of Structural Engineers  
 Society of Chemical Industry  
 United Kingdom Atomic Energy Authority  
 Welding Institute

This British Standard, having been prepared under the direction of the Iron and Steel Standards Policy Committee and the Non-ferrous Metals Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 31 July 1990

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The following BSI references relate to the work on this standard:  
 Committee reference ISM/NFM/8  
 Draft for comment 88/36941 DC

ISBN 0 580 18794 2

### Amendments issued since publication

Amd. No.	Date	
8713	4-10-95	S. King - FORD - 11

## National foreword



This Part of BS EN ISO 7539 has been prepared under the direction of the Engineering Sector Board. It is identical with ISO 7539-4 : 1989 *Corrosion of metals and alloys — Stress corrosion testing — Part 4 : Preparation and use of uniaxially loaded tensions specimens*, published by the International Organization for Standardization (ISO).

BS EN ISO 7539 comprises the following parts:

Part 1	<i>General guidance on testing procedures</i>
Part 2	<i>Preparation and use of bent-beam specimens</i>
Part 3	<i>Preparation and use of U-bend specimens</i>
Part 4	<i>Preparation and use of uniaxially loaded tension specimens</i>
Part 5	<i>Preparation and use of C-ring specimens</i>
Part 6	<i>Preparation and use of pre-cracked specimens</i>
Part 7	<i>Slow strain rate testing</i>

### Cross-references

International standard	Corresponding British Standard
ISO 6892 : 1994	BS EN 10002 <i>Tensile testing of metallic materials</i> Part 1 : 1990 <i>Method of test</i>
ISO 7539-1 : 1987	BS EN ISO 7539 <i>Corrosion of metals and alloys — Stress corrosion testing</i> Part 1 : 1995 <i>Guide to testing procedures</i> (Identical)
ISO 7539-6 : 1989	Part 6 : 1995 <i>Preparation and use of pre-cracked specimens</i> (Identical)