



BSI Standards Publication

Steel — Measurement method for the evaluation of hydrogen embrittlement resistance of high strength steels

Part 1: Constant load test

National foreword

This British Standard is the UK implementation of [ISO 16573-1:2020](#). It supersedes [BS ISO 16573:2015](#), which is withdrawn.

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Steel — Measurement method for the evaluation of hydrogen embrittlement resistance of high strength steels —

Part 1: Constant load test

*Acier — Méthode de mesure pour l'évaluation de la résistance à la
fragilisation par l'hydrogène des aciers à haute résistance —*

Partie 1: Essai de charge constante





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Foreword

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This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 7, *Methods of testing (other than mechanical tests and chemical analysis)*.

This edition cancels and replaces the first edition ([ISO 16573:2015](http://www.iso.org/iso/16573-1:2015)), which has been technically revised. The main changes compared to the previous edition are as follows:

- the addition of a note to provide the definition of ρ as the radius of the notch bottom. The definition of r was unclear and was used in a different way in 2b).
- the temperature in [6.1](#) and [Clause 7](#) where different, the temperature below -50 °C is used;
- the addition of Figures of unbroken notched specimen and unbroken smooth specimen;
- the addition of research papers in Bibliography.

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