

~~ISO/TC 156 N7529~~

ISO 7539-6:2023(E)

Amendment 2018/PRF Amd 1

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Corrosion of metals and alloys — Stress corrosion testing — 2

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**Part 6:
Preparation and use of precracked specimens for tests under
constant load or constant displacement Amd 1**

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Amendment AMENDMENT 1

Corrosion des métaux et alliages — Essais de corrosion sous contrainte —

Partie 6: Préparation et utilisation des éprouvettes préfissurées pour essais sous charge constante ou sous déplacement constant

AMENDEMENT 1

PROOF

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Corrosion of metals and alloys — Stress corrosion testing

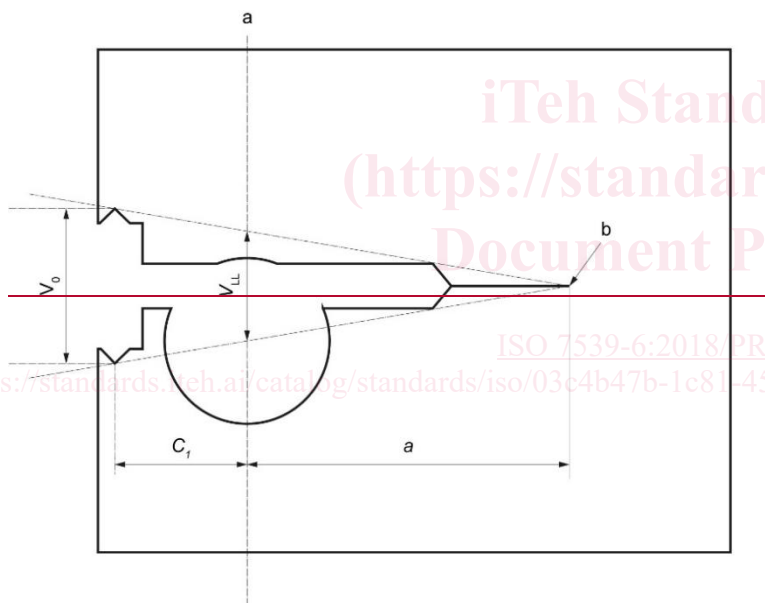
Part 6: Preparation and use of precracked specimens for tests under constant load or constant displacement **Amendment**

AMENDMENT 1

7.5.3, Figure 18

— Replace Figure 18 with 3.7

Add the following:



$$V_{LL} = \left(\frac{a}{a + C_1} \right) V_0$$

- a Load line
- b Crack tip

Figure 18 — Measurement location and relation between V_0 and V_{LL} values

Further proposed modifications in response to comments from China and the USA

Original:

3.7

deflection at loading point axis

V_{LL}

~~crack opening displacement produced at the loading line during the application of load (3.6) to a constant displacement specimen~~

3.8

deflection away from the loading line

V_0

~~crack opening displacement produced at a location remote from the loading plane, e.g. at knife edges located at the notch mouth, during the application of load (3.6) to a constant displacement specimen~~

Replace by

3.7

deflection at loading point axis

V_{LL}

Note 1 to entry: ~~the~~

~~The increase in V_{LL} (δV_{LL}) upon application of load (3.6) from zero load is the crack opening displacement produced at the loading line.~~

3.8

deflection away from Add the loading line

V_0

~~following~~ Note 1 to entry: ~~the~~ [ISO 7539-6:2018/PRF Amd 1](https://standards.iteh.ai/catalog/standards/iso/03c4b47b-1c81-45f7-9fa7-67cd067f1618/iso-7539-6-2018-prf-amd-1)

~~The increase in V_0 (δV_0) upon application of load (3.6) from zero load is the crack opening displacement produced at a location remote from the loading plane, e.g. at knife edges located at the notch mouth.~~

Figure 10:

Original equation:

$$K_1 = \frac{E \times V_{yLL} H \sqrt{3H(a+0,6H)^2 + H^3}}{4 \left[(a+0,6H)^3 + H^2 a \right]}$$

Replace ~~by~~ the formula with the following: