



**International  
Standard**

**ISO 7539-6**

**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 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*

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**AMENDMENT 1  
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This document was prepared by Technical Committee ISO/TC 156, *Corrosion of metals and alloys*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 262, *Metallic and other inorganic coatings, including for corrosion protection and corrosion testing of metals and alloys*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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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 1

#### 3.7

Add the following Note 1 to entry:

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

#### 3.8

Add the following Note 1 to entry:

The increase in  $V_0$  ( $\delta V_0$ ) 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.

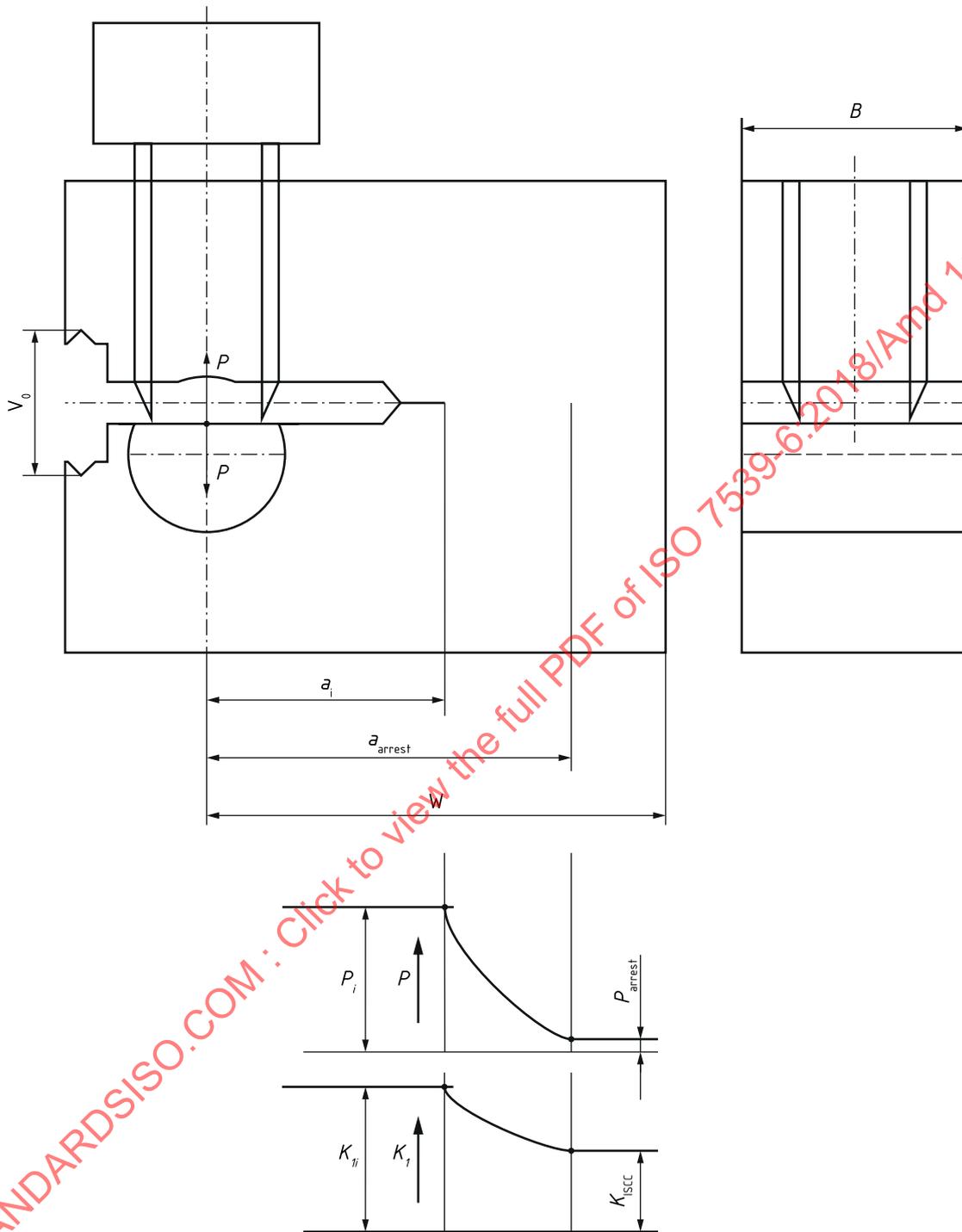
#### Figure 10

Replace the formula with the following:

$$K_I = \frac{\delta V_{LL} EH [3H(a+0,6H)^2 + H^3]^{1/2}}{4[(a+0,6H)^3 + H^2a]}$$

Figure 11

Replace Figure 11 with the following figure:



Add the following text below the superscript "a":

Where force is measured, the stress intensity factor is given by

$$K_I = \frac{YP}{B\sqrt{a}}$$