

## ISO 8611 Pallets for Materials Handling – Flat Pallets – Part 1: Test Methods – Corner Drop Test/ Testing Equipment

### Description

#### 8.9 Test 9 — Corner drop test

##### 8.9.1 Purpose

The purpose of this test is to determine the diagonal rigidity of the top deck of the pallet and its resistance to impact.

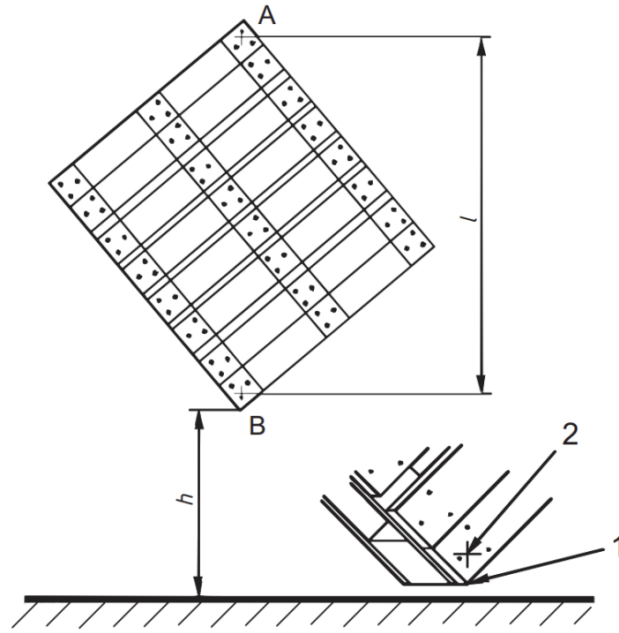
##### 8.9.2 Procedure

Mark the two measuring points, A and B, as shown in Figure 9 at approximately 50 mm from the corners of the pallet. While suspending the pallet as shown in Figure 9, drop the pallet freely on to its top deck corner edge from a height,  $h$ , on to a hard horizontal impact surface. Whenever possible, carry out the drop three times, always on the same corner and from the same height.

NOTE: For asymmetric pallets, it is necessary for the tester to make a judgement as to the orientation of the pallet before dropping.

##### 8.9.3 Measurement

The length of diagonal,  $l$ , shall be measured before the first and after the third drop. Any damage shall be noted.



**Key**

- 1 pallet corner
- 2 measuring point
- $h$  height (fall)
- $l$  length of diagonal

**Figure 9 — Corner drop test**



### Drop Tester for Pallets According to ISO 8611

- Digital display of drop height
- Height adjustment of up to 4000 mm
- Pneumatic release of pallet
- Safety cage around the test zone 3\*3m (is as option-will be quoted separately)

### Category

1. Equipment for Standards
2. Standards