P.Energy S.p.A.
Via Caduti sul Lavoro, 15 35014 Fontaniva (PD)
Tel: +39 049 7966190 Fax: +39 049 7968776
VAT nr. 04066080286 C.S. € 1.500.000,00
info@penergy.it

P.ENERGY MBT01S

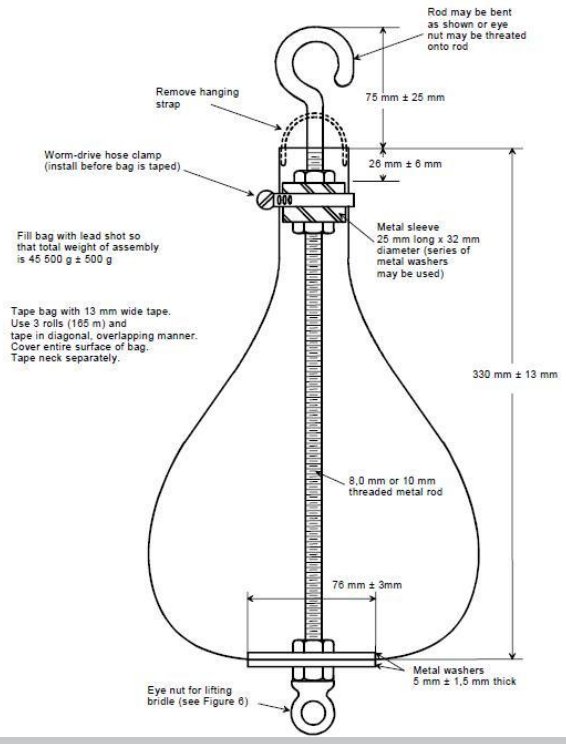
P.ENERGY MODULE BREAKAGE TEST is a safety test that simulates the effects of a worker falling onto the module during the installation or maintenance phase. It is designed to DESTROY the module in order to see how the protective glass fragments.

During the Module Breakage Test a 46 kg ball is suspended and released towards the panel so to hit it. The test is designed to break the module in order to see how the glass fractures and to measure the size of the pieces.

1. BREAKAGE TEST HARDWARE:

- Test stand system: Carriage; Safety barrier, overhead traveling crane, fixed Frame

- Hitting bag: Fibre glass bag, 7.5 leads ball 45.5 Kg, hock, the sleeve, the hanger rope



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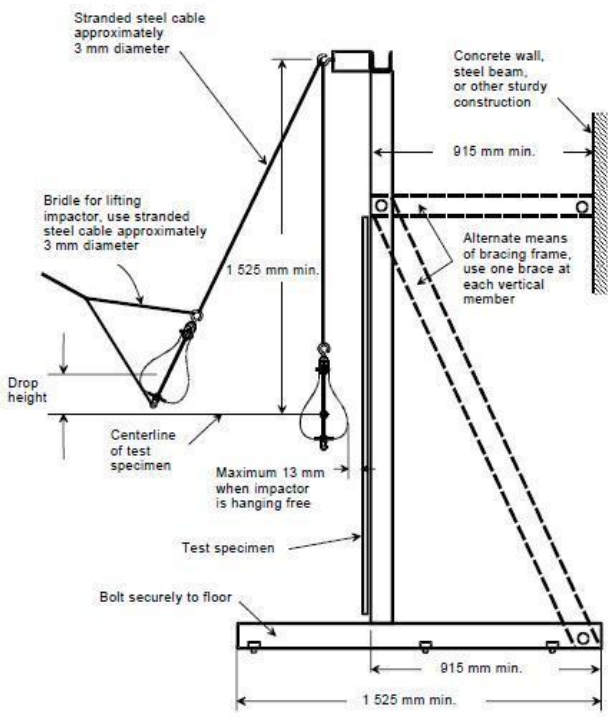
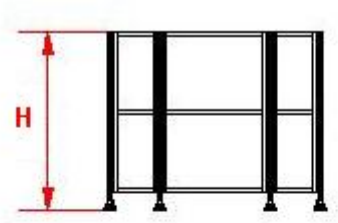
2. PROCEDURE

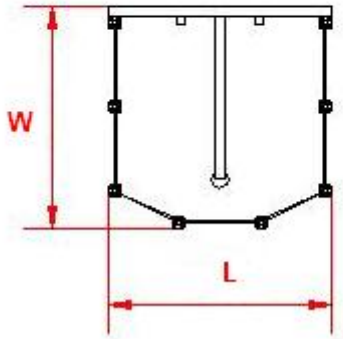
- During the test the Module Sample is fixed on the test frame

- the impactor must be lifted to a drop height of 300mm from the surface of the module sample, and then released to strike the module sample

- If no breakage occurs, the same operation must be repeated from a drop height of 450mm and 1220mm







3. DIMENSIONS

WEIGHT	500
HEIGHT (H)	3000MM
WIDTH (W)	3500MM
LENGTH (L)	2000MM

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Consumption	
Volt	400 – 480 V
Freq	50 Hz
Power	1 Kw
Ethernet	Optional

4. INCLUSIONS

Certification: CE

Warranty: 2 Years