

## Filter shaker (Mechanical strength test equipment)

### Description

The filter shaker comprises essentially two main parts:

A basket and lifting mechanism mounted on a substantial base plate;

A control box which is permanently wired to the mechanical portion of the rig.

The filter tray includes a set of fully adjustable nylon combs, which serve to separate the specimens.

A pre-determining counter switches off the rig after the required number of cycles.

The base plate is drilled at the four corners, to facilitate bolting to the floor. This is required in order that the rig complies with the requirements of the relevant standards.



### Services required

Floor mounted – needs to be bolted down  
110/230 volts AC, 50/60Hz, mains electricity

### Approximate size & weight

Item	Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
Basket and lifting mechanism	600	580	500	90
Control Box	280	180	380	5

### Relevant standards

EN 143:2006, clause 8.3 and figure 1  
EN 149:2009, clause 8.3.3  
EN 403:2004, clause 7.4.2  
EN 404:2005, clause 7.4.2  
EN 405:2009, clause 8.3.4 and figure 1  
EN 1061:1996, clause 7.6 and figure 3  
EN 1146:2005, clause 7.4.1 and figure 1  
EN 1827:2009, clause 8.2.3 and figure 1

EN 12083:1998, clause 7.3  
EN 12941:2008, clause 7.11.1 and figure 9  
EN 12942:2008, clause 7.13.1 and figure 7  
EN 13794:2002, clause 7.6.2 and figure 2  
EN 14387:2006, clause 7.4.1 and figure 1  
EN 14529:2005, clause 7.5  
AS/NZS 1716:2012, appendix H4  
ANSI 110:2009, clause 8.2

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