

## Operating Instructions

Hägermann Flow Table  
DIN EN 1015-3 with table plate made of glass



1.0223E      Design with stainless steel table top based on DIN EN 1015-3

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## 1. Performing the Test

### 1.1 The Nature of the Procedure

The flow spread will be determined by taking the mean diameter of a fresh sample of mortar of a defined shape that is placed upon a flow table with a defined disc-shaped plate and then exposed to a defined number of vertical impacts. To achieve this, the table will be raised and then left to fall freely from a predefined height.

### 1.2 Test Specifications

EN 1015-3 test procedure for mortar for masonry

### 1.3 Description of the Device

The device consists of the following components:

**Frame** of cast iron

**Horizontal shaft with hub tappets** Hub ( $10 \pm 0.2$ ) mm

**Lifting spindle**, mounted

**Rigid table surface** of aluminum/glass (model 1.0223)

**Rigid table surface** of stainless steel (model 1.0223E)

Plate diameter 300 mm  $\pm 1$ mm / thickness of plate 4 mm  $\pm 0.1$ mm

The plate is fixed in the middle of the table with clamps

less than 1 revolution / 15 strokes

**Marking** for the central placement of the truncated cone, diameter 100mm

The total mass of the movable components of the table : 4.2 – 4.5kg

Optional: counter

**Auxiliary Resources**

Truncated slump cone

Masher

Vernier Calliper

Trowel

Straightedge for wiping off

## 1.4 Carrying out the Test

- Clean the plate and the inner surfaces of the slump cone with a damp cloth. After they have dried out, the surfaces should be lightly smeared with a resin-free mineral oil of very low viscosity.
- Carry out 10 revolutions of the table if it has not been used within the last 24 hours.
- Place the slump cone in the middle of the plate and fill with the mortar into two layers.
- Each layer will be compressed by a minimum of 10 short impacts of the masher. Push down on the slump cone by hand against the plate.
- Wipe away any remaining mortar with the straightedge provided.
- Clean and wipe dry the free surface area of the plate, any excess water at the lower edge of the slump cone should be removed.
- The slump cone should be slowly raised vertically after 15 seconds,
- The mortar will be spread out over the plate as it, with a constant speed of rotation of around one stroke per second will be raised and then left to fall fifteen times.
- Measure the diameter of the spread out mortar with a vernier calliper in two directions that are at right angles to each other. The measured values should be recorded rounded to 1 mm.
- Two test samples should be performed.

## 2. Goods Received

Check the visible condition of the delivered consignment from the outside. If the condition of the goods is in good order, the consignment can be accepted from the freight carrier (parcel service or haulier).

If there are no complaints or damages in transit, then the delivery note should be checked for the completeness of the delivery.

If there are any worries about or suggestions of damages in transit, or if any damages in transit only become clear after the completed acceptance of the delivery, then a protocol containing an exact report of the extent of the damages should be created. Send us the protocol immediately by fax. There should be absolutely no alteration to the delivery carried out.

Based upon this report, we should be able to assess whether the damage can be repaired either

- by the delivery of replacement parts or
- by sending a skilled technician or only
- by the return of the device.

## 3. Guarantee

Our **General terms and conditions of sale and delivery** generally apply.

The manufacturer assumes responsibility that the operating instructions have been compiled to be in accordance with the technical and functional parameters of the product supplied.

The manufacturer reserves the right to add any additional information to these operating instructions.

The manufacturer provides the statutory guarantee.

Parts that are liable to wear and tear are excluded from this guarantee.

The manufacturer can only guarantee trouble-free operation of the device when the guidelines contained in these operating instructions are observed and when the device is used only for the purpose intended.

The manufacturer is not liable for damages that arise due to either the product being used for an unintended purpose, or when the guidelines and codes of conduct contained in these operating instructions have been ignored. Guarantee claims on the manufacturer shall be excluded when the product has been altered without authorisation either in its construction or in its functional design, without the written confirmation of the manufacturer.

Any infringements may be prosecuted.

## 4. Customer Service

Great care has been taken to ensure the accuracy of these operating instructions. However, no guarantee can be given that the instructions are error-free or, in the case of any technical alterations, that the information contained within will remain valid.

### 4.1 Date of Issue of the Operating Instructions

5<sup>th</sup> Edition  
Nov. 2014

### 4.2 Copyright

Copyright remains with

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These operating instructions are intended only for the operator of the equipment and their personnel. They contain guidelines and information which may not be

- reproduced
- distributed or
- otherwise communicated by any other method.

Any infringements may be prosecuted.

### 4.3 Replacement parts – Address

Please send any technical questions as well as requests for the supply of replacement parts to the following address:

**TESTING Bluhm & Feuerherdt GmbH**

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12277 Berlin,  
Germany.

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