Product Information Model 6012
Mould (three-gang design)

Application
Preparation of prism shaped samples, 40x40x160 mm made of mortar, especially cement mortar in accordance with the standards EN 196-1, ISO 679, DIN EN 12808-4, EN 1015-11 and ASTM C 348. Design and accuracy according to the schedule „Technical Data“.

Design
Precision design in high quality steel.
The mould parts, consisting of head ends and separation bars, are fixed on the cast iron base plate using a clamp screw and counter bearings. High precision keyseats tighten the joints between parts during compacting.

The compliance of the size tolerances to the respective standard can be certified on request.

Advantages
- head ends and separation bars are seperately marked to secure the fitting
- a tommy screw enables precise pressure without wedging the parts
- the design of the base plate and the surface finishing avoid a deformation of the mould
- by use of a brass straight edge the mould guarantees the required dimensional stability long-termed
- the mould is available alternatively with or without holes for shrinkage tests
- compatible with all components of the ToniLAB
- because of the small weight tolerances the mould is adaptable to instruments of other manufacturers

Available Models
Mould, model 6012
for prisms 40x40x160 mm according to EN 196-1, ISO679, ASTM C 348; made of steel;

Mould, model 6012.50
for prisms 40x40x160 mm according to EN 196-1, ISO679, ASTM C 348; made of stainless steel;

Mould, model 6021
for prisms 40x40x160 mm, according to DIN 1164-7 and EN1015-11; made of steel;

All models are available with or without holes for shrinkage tests (see „Technical Data“).
Product Information Model 6012
Mould for Mortar Prisms (three-gang design)

Suitable Accessories

**Feeding Hopper, model 6012.001**
made of aluminium; for easy filling and compacting

**Mould Removal Bracket, model 6012.002**
made of cast iron; for a smooth removal of the samples

**Cover Frame, model 6012.003**
made of cast iron; for preparation of shrinkage specimens

**Tamper, model 6012.004**
made of wood with a brass cap
for bending samples 150 x 20 mm

**Tamper 6012.005**
made of wood with a brass cap
for shrinkage samples 110 x 20 mm

**Tamper 6012.006**
made of wood with a brass cap
7/8" x 3 1/4" according to ASTM C 348

**Straightedge, model 6012.007**
made of brass, 400 mm length

**Spreader 6012.008**
made of brass with two different side lengths for equal spreading of the mortar in two layers

**Glass plate 6012.009**
to cover freshly filled molds, 210x185 mm, 6 mm thick

Torque wrench 6012.010
made of steel, to pre-stress the mould with a defined and reproducible torque

Test certificate 6012.01
check of the mould regarding the compliance of the tolerances according to the relevant standard

For further information please contact
Toni Technik Baustoffprüfsysteme GmbH
Gustav-Meyer-Allee 25
13355 Berlin
Tel: +49 (0) 30/464039-21
Fax: +49 (0) 30/464039-22
Email: sales@tonitechnik.com
www.tonitechnik.com

---

### Technical Data

<table>
<thead>
<tr>
<th>Models</th>
<th>with holes</th>
<th>6012</th>
<th>6012.50</th>
<th>6021</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>without holes</td>
<td>6012.40</td>
<td>6012.51</td>
<td>6021.10</td>
</tr>
<tr>
<td>Material</td>
<td>steel</td>
<td>stainless steel</td>
<td>steel</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
<td>10.1</td>
<td>10.1</td>
<td>10.1</td>
</tr>
<tr>
<td>Inner dimensions</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- length</td>
<td>mm</td>
<td>160.0 ± 0.5</td>
<td>160.0 ± 0.5</td>
<td>160.0 ± 0.4</td>
</tr>
<tr>
<td>- width</td>
<td>mm</td>
<td>40.0 ± 0.1</td>
<td>40.0 ± 0.1</td>
<td>40.0 ± 0.1</td>
</tr>
<tr>
<td>- height</td>
<td>mm</td>
<td>40.1 ± 0.1</td>
<td>40.1 ± 0.1</td>
<td>40.0 ± 0.1</td>
</tr>
<tr>
<td>Evenness of the bars</td>
<td>mm</td>
<td>0.02</td>
<td>0.02</td>
<td>0.02</td>
</tr>
<tr>
<td>Hardness of the bars</td>
<td>HV</td>
<td>≥ 200</td>
<td>≥ 200</td>
<td>≥ 200</td>
</tr>
</tbody>
</table>

All data at ambient temperature. Subject to technical modification.