SOUTH AFRICAN NATIONAL STANDARD

Concrete tests — Dimensions, tolerances and uses of cast test specimens
This page has been left blank intentionally
COPYRIGHT PROTECTED DOCUMENT

© SABS

In terms of the Standards Act 8 of 2008, the copyright in all South African National Standards or any other publications published by the SABS Standards Division, vests in the SABS. Any use of South African National Standards is limited to use specifically prescribed by the SABS. In the case of a South African National Standard based on an international standard, ownership of the copyright vests in the organization from which the SABS adopted the standard, whether it be under licence or membership agreement. The SABS is obliged to protect such copyright and is authorized to make the relevant international organization aware of any misuse thereof. Unless exemption has been granted, no extract or full text of any South African National Standard may be copied, reproduced, stored in a retrieval system or transmitted in any form or by any means without prior written permission from the SABS Standards Division. This does not preclude the free use, in the course of implementing the standard, of necessary details such as symbols, and size, type or grade designations. If these details are to be used for any purpose other than implementation, prior written permission must be obtained.

Details, advice and limitations of use can be obtained from the Manager: Standards Sales and Information Services. Tel: +27 (0) 12 428 6883 email: sales@sabs.co.za

SABS – Standards Division

The objective of the SABS Standards Division is to develop, promote and maintain South African National Standards. This objective is incorporated in the Standards Act, 2008 (Act No. 8 of 2008).

The SABS continuously strives to improve the quality of its products and services and would therefore be grateful if anyone finding an inaccuracy or ambiguity while using this standard would inform the secretary of the technical committee responsible, the identity of which can be found in the foreword.

Buying Standards

Contact the Sales Office for South African and international standards, which are available in both electronic and hard copy format. Tel: +27 (0) 12 428 6883 email: sales@sabs.co.za

South African National Standards are also available online from the SABS Webstore www.store.sabs.co.za

Information on Standards

SABS Customer Services provide comprehensive standards-related information on national, regional and international standards. Tel: +27 (0) 12 428 7911 / 0861 27 7227 email: info@sabs.co.za
Table of changes

<table>
<thead>
<tr>
<th>Change No.</th>
<th>Date</th>
<th>Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amdt 1</td>
<td>2006</td>
<td>Amended to change the designation of SABS standards to SANS standards, with no technical changes.</td>
</tr>
</tbody>
</table>

Foreword

This South African standard was prepared by National Committee SABS/TC 081/SC 01, Construction materials, products and test methods – Cement, lime and concrete, in accordance with procedures of the South African Bureau of Standards, in compliance with annex 3 of the WTO/TBT agreement.

This edition is technically identical to the first edition (SABS SM 860:1994).

Compliance with this document cannot confer immunity from legal obligations.

Reaffirmed and reprinted in June 2019. This document will be reviewed every five years and be reaffirmed, amended, revised or withdrawn.
Concrete tests — Dimensions, tolerances and uses of cast test specimens

1 Scope

This standard specifies a method of ensuring that the nominal dimensions and shape of cast concrete test specimens in the form of cubes, cylinders, or rectangular prisms of square cross-section are suitable for their intended use.

2 Dimensions

Ensure that the dimensions of the test specimen are within 10% of the appropriate basic dimensions given in figures 1 to 3. The tolerance on the basic dimensions between each face of a specimen is ± 1.0%. The basic dimension $d$ of test specimens should be at least four times the nominal maximum size of the aggregate in the concrete.

NOTE The dimensions printed in bold type are the preferred sizes.

![Diagram of cube]

<table>
<thead>
<tr>
<th>$d$, mm</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
</tr>
</thead>
</table>

Figure 1 — Basic dimensions of cubes