

ISBN 978-0-626-35191-5

SANS 1067-1:2005

Edition 2.1

Any reference to SABS 1067-1 is deemed
to be a reference to this standard
(Government Notice No. 1373 of 8 November 2002)

SOUTH AFRICAN NATIONAL STANDARD

Copper-based fittings for copper tubes

Part 1: Compression fittings

Published by the South African Bureau of Standards
1 Dr Lategan Road Groenkloof ☒ Private Bag X191 Pretoria 0001
Tel: +27 12 428 7911 Fax: +27 12 344 1568
www.sabs.co.za
© SABS

SABS

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

SANS 1067-1:2005
Edition 2.1

Table of changes

Change No.	Date	Scope
Amdt 1	2005	Amended to change the designation of SABS standards to SANS standards, to delete reference to the certification mark, to update referenced standards and to correct a reference in annex A on notes to purchasers.

Foreword

This South African standard was prepared by National Committee SABS/TC 138/SC 04, *Water and sanitation – Equipment and systems – Metallic pipes and fittings*, in accordance with procedures of the South African Bureau of Standards, in compliance with annex 3 of the WTO/TBT agreement.

This edition cancels and replaces the second edition (SABS 1067-1:2000).

A vertical line in the margin shows where the text has been technically modified by amendment No. 1.

Annex A forms an integral part of this part of SANS 1067. Annexes B, C, D and E are for information only.

Compliance with this document cannot confer immunity from legal obligations.

<p>Reaffirmed and reprinted in November 2017. This document will be reviewed every five years and be reaffirmed, amended, revised or withdrawn.</p>
--

Contents

	Page
Foreword	
1 Scope	3
2 Normative references	3
3 Definitions	4
4 Constructional requirements	4
5 Finish and strength requirements	8
6 Inspection and methods of test	9
6.1 Inspection	9
6.2 Hydraulic strength	9
6.3 Dezincification-resistance test	9
7 Packing and marking	9
Annex A (normative) Notes to purchasers	10
Annex B (informative) Quality evaluation of compression fittings produced to the requirements laid down in this part of SANS 1067	10
Annex C (informative) Copper alloys suitable for use in the manufacture of fittings	11
Annex D (informative) Recommended maximum working temperatures and pressures	12
Annex E (informative) Guidance on torque levels necessary to pressure-seal type A fittings to copper tubes	13
Bibliography	14