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SANS 164-3:2013 Edition 1.2

Table of changes

Change No.	Date	Scope	
Amdt 1	2007	Amended to include maximum lengths of sleeves on plug runs, to clarify a drawing, and to change dimensions on the gauges i annexes B and C.	
Amdt 2	2013	Amended to move a referenced standard from the biblingraphy to the normative references clause and delete the bibliography, to restrict the dimensions in standard share 34, 3-7 and the annex on the gauges, and to add requirements for the multi-pin gauge.	

Foreword

This South African standard was approved by actional Committee SABS SC 67C, *Electricity distribution systems and components – Electrica accessones,* in accordance with procedures of the SABS Standards Division, in compliance with an ex 3 of the WTO/TBT agreement.

This document was published in Marca

This document supersedes SALS 124-2207 (edition 1.1).

A vertical line in the margin shows where the text has been technically modified by amendment No. 2.

SANS 164 consists of the following parts, under the general title *Plug and socket-outlet systems* for household and similar purposes for use in South Africa:

Part O. G neral and safety requirements.

1. Conventional system, 16 A 250 V a.c.

rt 2: IEC system, 16 A 250 V a.c.

Part 3: Conventional system, 6 A 250 V a.c.

Part 4: Dedicated system, 16 A 250 V a.c.

Part 5: Two-pole, non-rewirable plugs, 2,5 A 250 V a.c., with cord, for connection of class II equipment.

Part 6: Two-pole systems, 16 A 250 V a.c., for connection of class II equipment.

This document, by reference in SANS 164-0, is referenced in the *Compulsory specification for plugs, socket-outlets and socket-outlet adaptors*, as published by Government Notice No. R. 1075 (Government Gazette 33763) of 19 November 2010.

Annexes A, B, C, D, E and F form an integral part of this document.

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Plug and socket-outlet systems for household and similar purposes for use in South Africa

Part 3:

Conventional system, 6 A 250 V a.c.

1 Scope

This part of SANS 164 covers the rains and dimensions of the conventional 6 A 250 V a.c. plug and socket-outlet system and socket-outlet traptors for household and similar purposes, for use in South Africa.

2 Normative references

The following residueds contain provisions which, through reference in this text, constitute provisions of this part of SANS 164. All standards are subject to revision and, since any reference to a standard is doment to be a reference to the latest edition of that standard, parties to agreements based on this part of SANS 164 are encouraged to take steps to ensure the use of the most recent edition of the standards indicated below. Information on currently valid national and international standards an be obtained from the SABS Standards Division.

INS 164-0, Plug and socket-outlet systems for household and similar purposes for use in South ica – Part 0: General and safety requirements.

SANS 60884-1/IEC 60884-1, Plugs and socket-outlets for household and similar purposes – Part 1: General requirements. Amdt 2

3 Definitions

For the purposes of this part of SANS 164, the definitions given in SANS 164-0 apply.

4 Requirements

4.1 The requirements of SANS 164-0 apply.

4.2 Socket-outlets, socket-outlet adaptors and rewirable plugs shall be rated at 6 A and 250 V a.c.

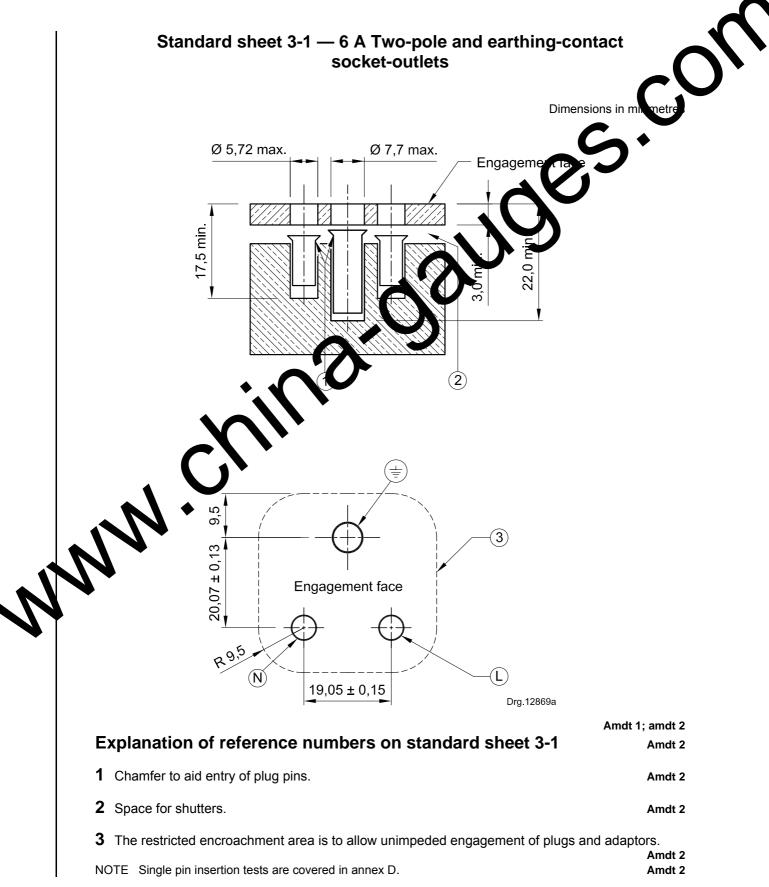
4.3 Plugs and socket-outlets shall comply with the dimensions given on the appropriate of standard sheets 3-1 or 3-2.

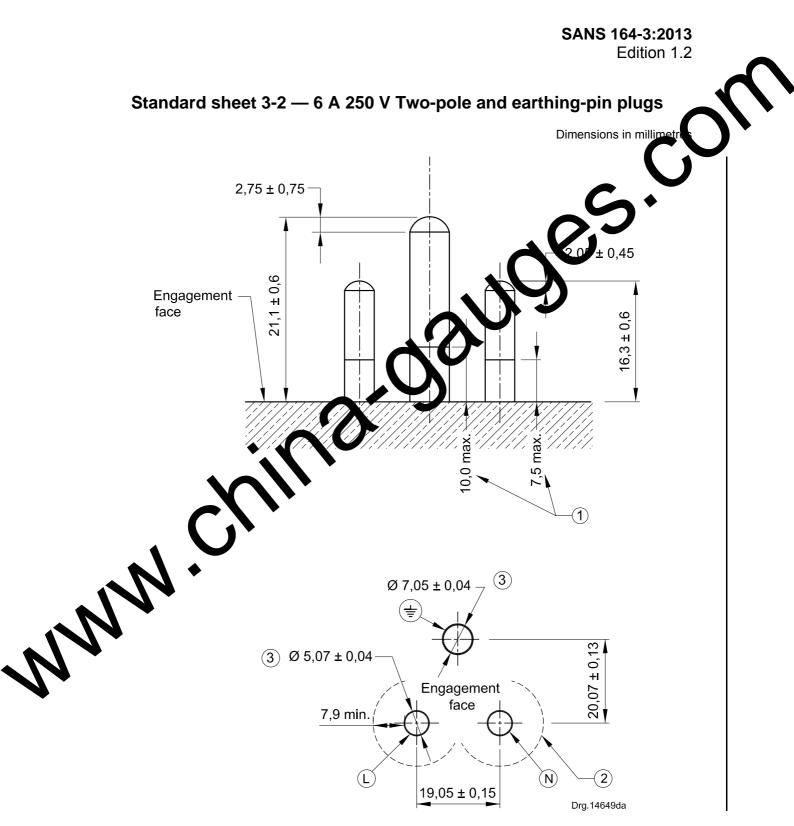
Use the gauges given in annexes A to F for checking the dimensions.

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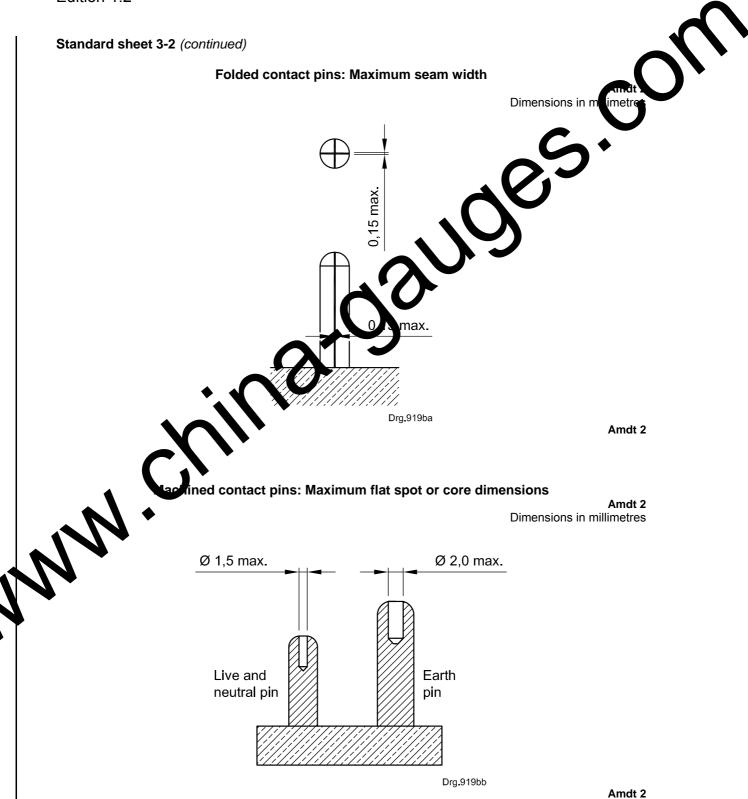
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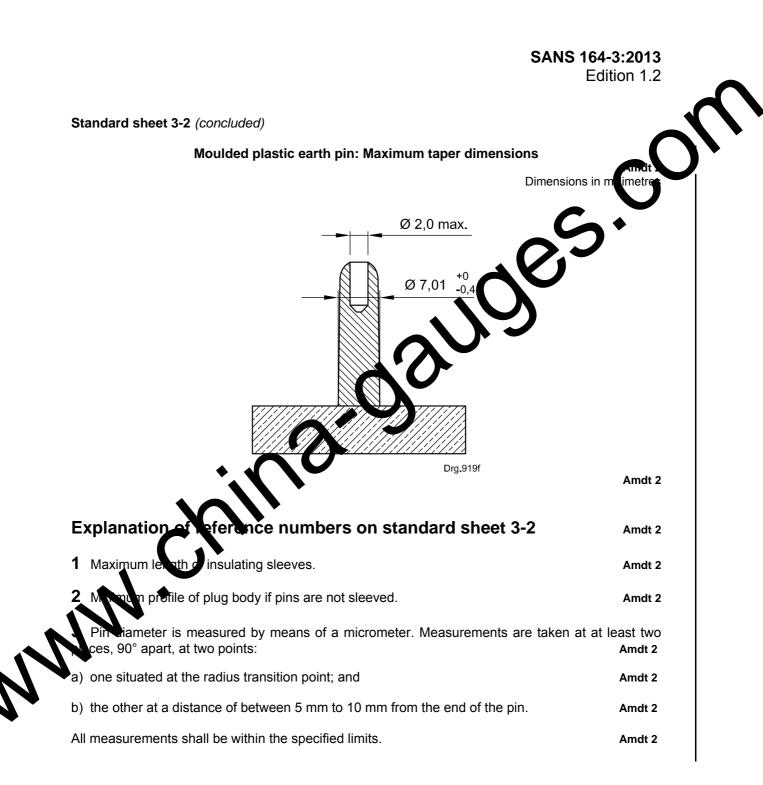


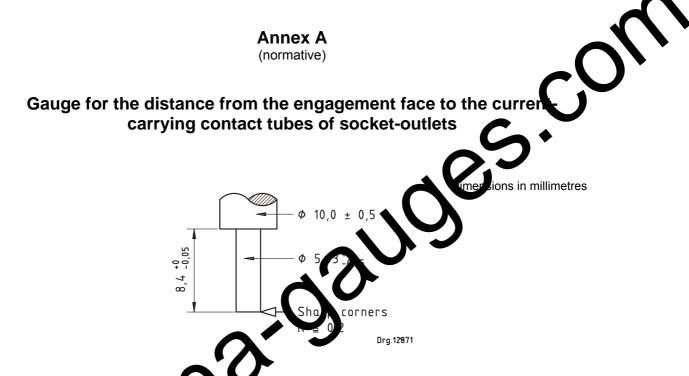


Amdt 1; amdt 2

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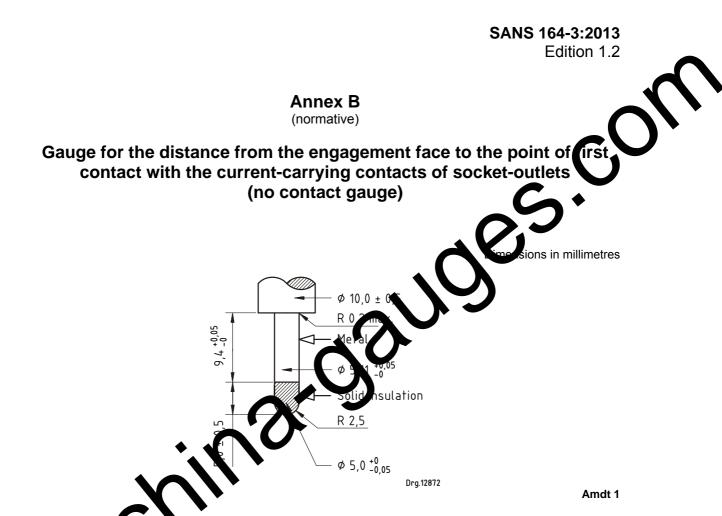




Insert the gauge as far a possible nto the guidance hole of a socket-outlet, with shutters (if any) removed. Move the gauge ground the periphery of the guidance hole, and ensure that it does not make contact with the gauge and the periphery of the land shall be by means of a lamp connected between the gauge and the appropriate contact tube. The a.c. or d.c. voltage of the circuit shall be between 12 V article 4

Gauges shall be made of a hard, corrosion-resistant metal such as stainless steel.

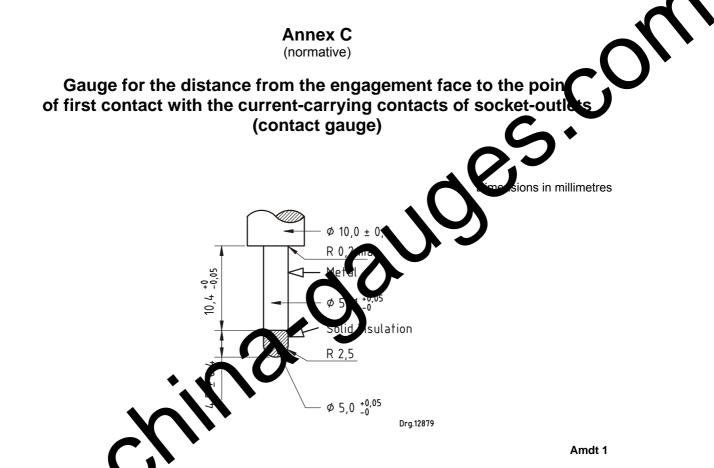




Insert the gauge as far us it will go into the guidance hole of a socket-outlet. The indicator lamp described in an ex Ashall not light.

NOT The insumted tips of the gauges are for guiding the gauges.

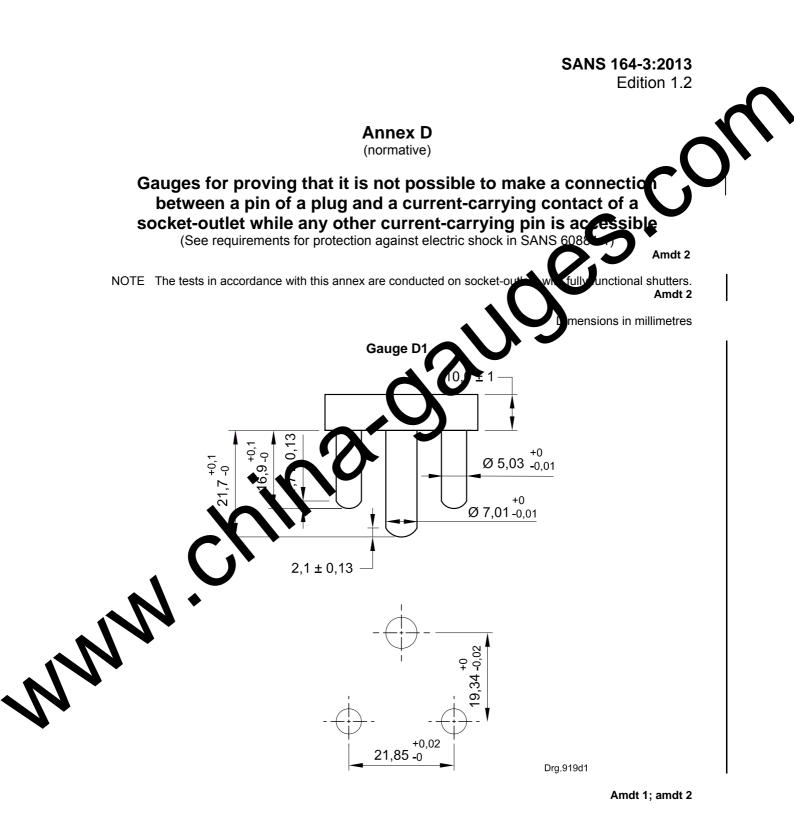
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Insert the gauge as ar as it will go into the guidance hole of a socket-outlet. The indicator lamp described in annex A shall light.

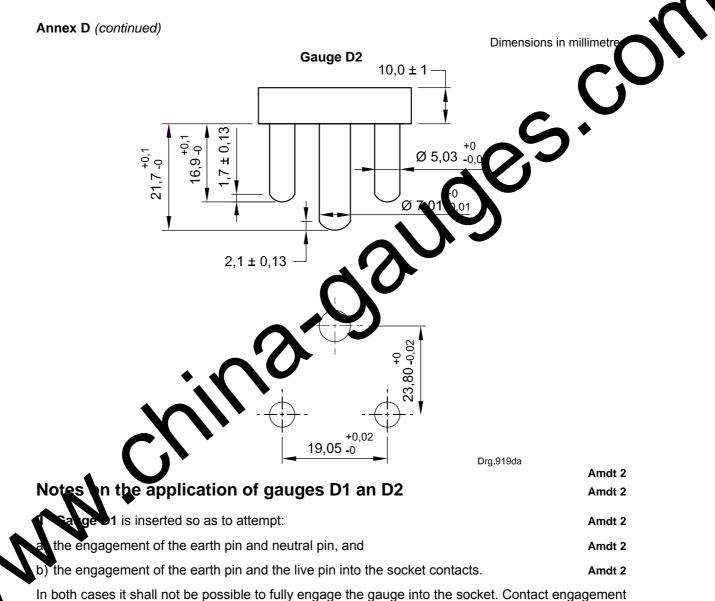
The nsulating tips of gauges are for guiding the gauges.

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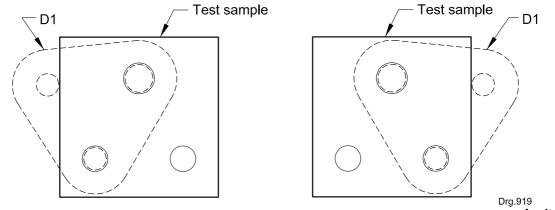


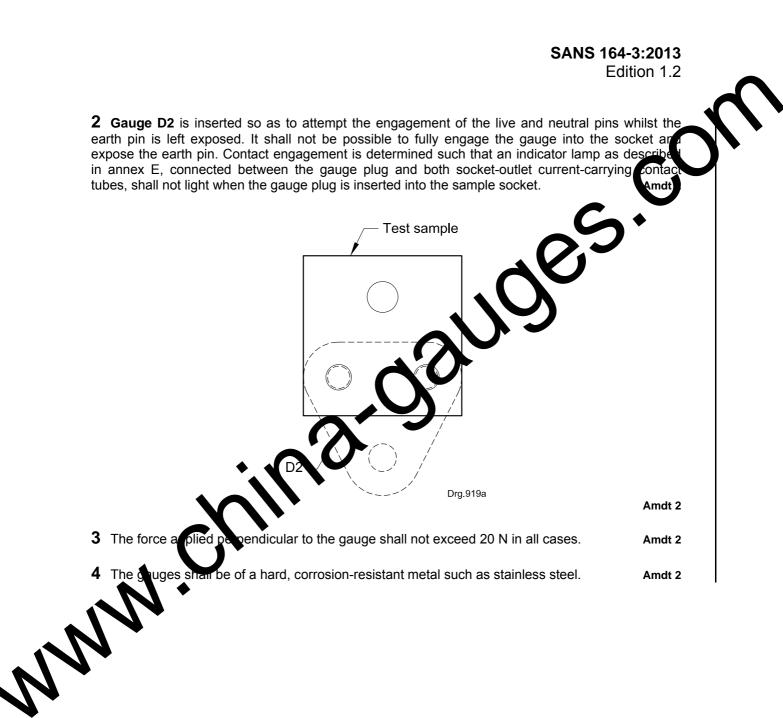
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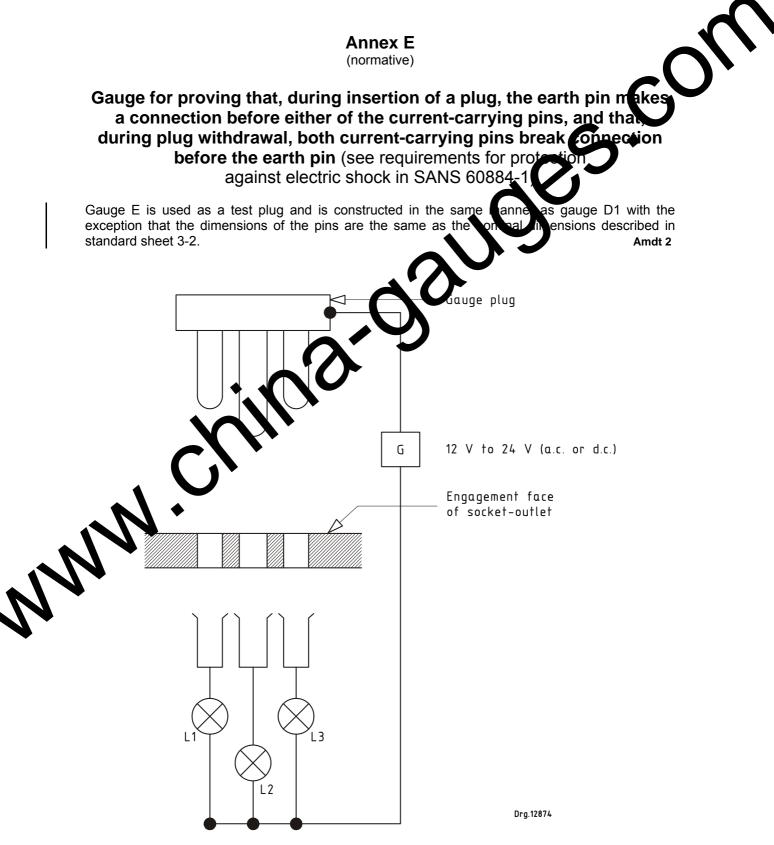
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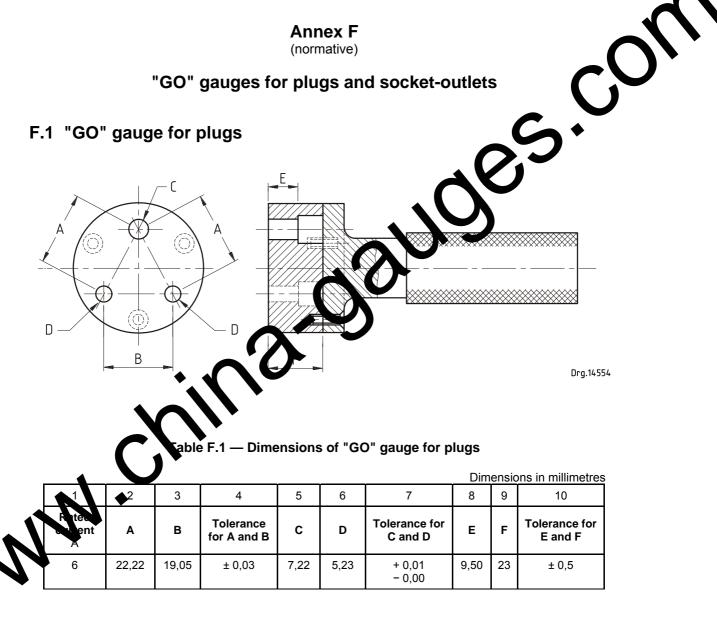
In both cases it shall not be possible to fully engage the gauge into the socket. Contact engagement is determined such that an indicator lamp, as described in annex E, connected between the gauge plug and both socket-outlet current-carrying contact tubes, shall not light when the gauge plug is inserted into the sample socket. Amdt 2



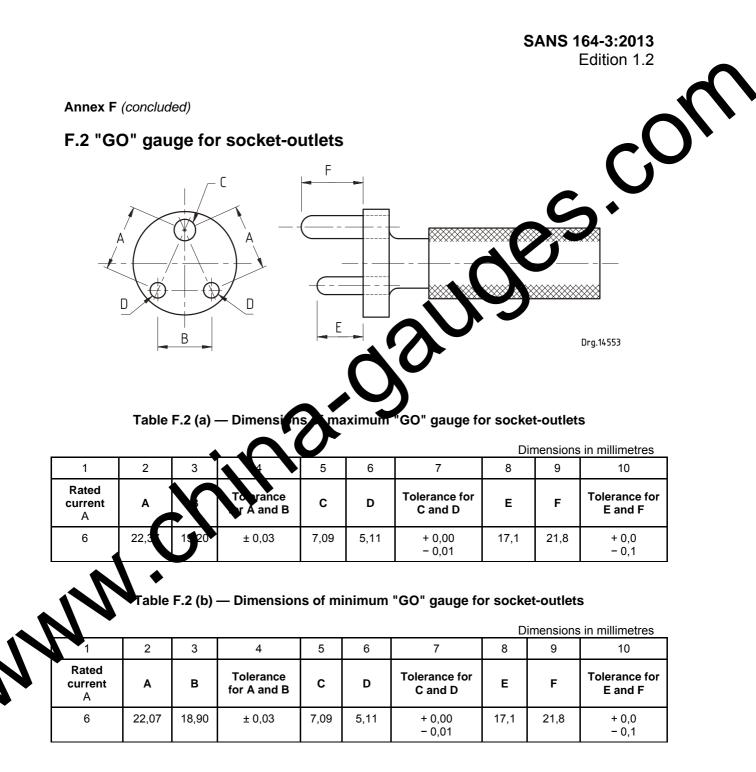








All plugs shall be capable of insertion into the relevant gauge without undue force.



Both maximum and minimum "GO" gauges shall enter all socket-outlets without undue force.

Bibliography

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