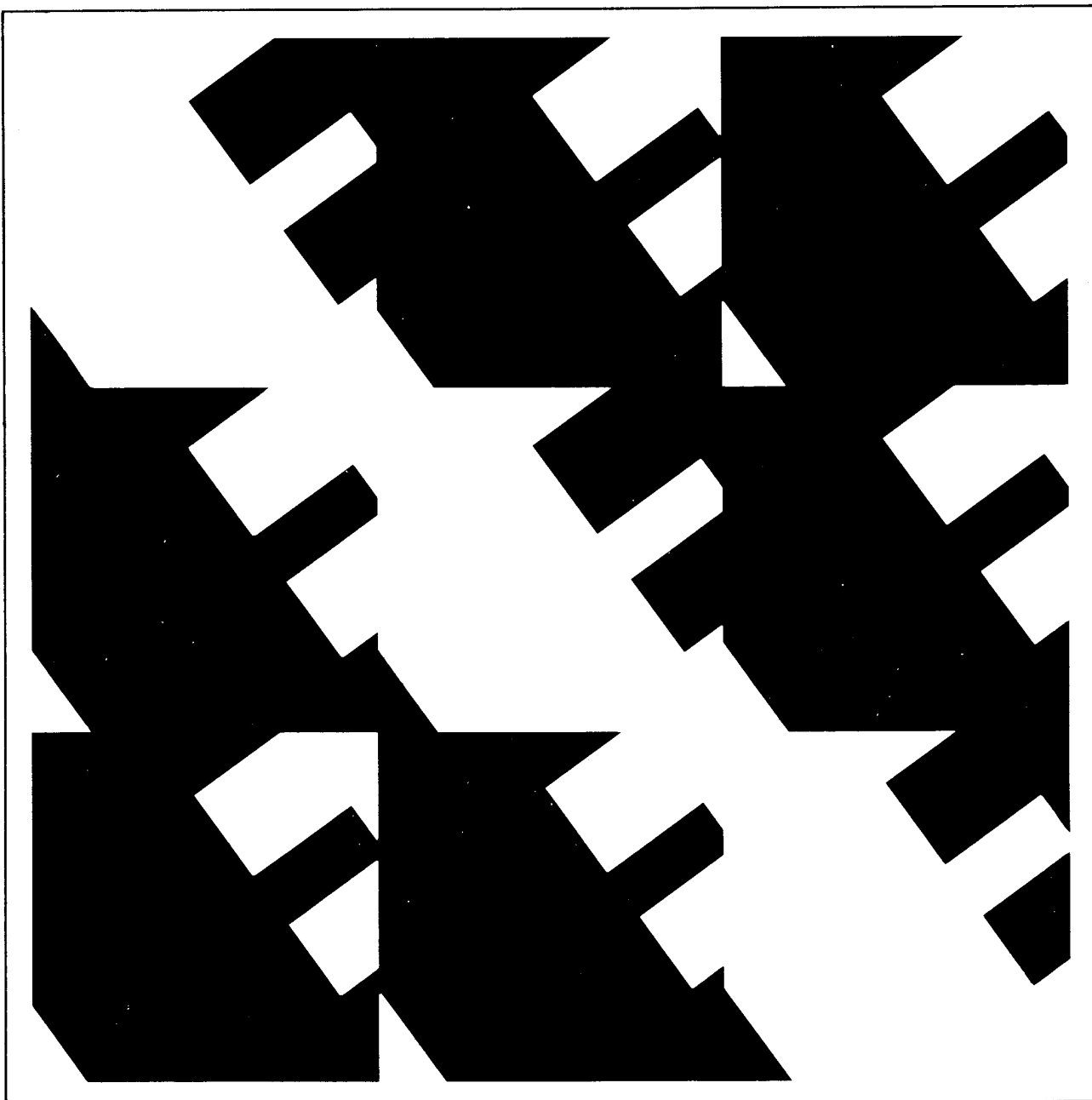


IEEE Standard Test Procedure for Carbon Brushes

ANSI/IEEE Std 116-1975



Published by The Institute of Electrical and Electronics Engineers, Inc. 345 East 47th Street, New York, NY 10017, USA

October 21, 1975

SH11163

ANSI/IEEE Std 116-1975
(IEEE Reaffirmed 1982)
(Revision of IEEE Std 116-1958)

An American National Standard

IEEE Standard

Test Procedure for Carbon Brushes

Sponsor

**Rotating Machinery Committee of the
IEEE Power Engineering Society**

Approved May 30, 1974
Reaffirmed June 10, 1982

IEEE Standards Board

Approved January 27, 1984

American National Standards Institute

© Copyright 1975 by

**The Institute of Electrical and Electronics Engineers, Inc
345 East 47th Street, New York, NY 10017, USA**

*No part of this publication may be reproduced in any form,
in an electronic retrieval system or otherwise,
without prior written permission of the publisher.*

Approved February 27, 1975

IEEE Standards Board

Joseph L. Koepfinger, *Chairman*

Sava I. Sherr, *Secretary*

Warren H. Cook, *Vice Chairman*

Jean Jacques Archambault
Robert D. Briskman
Dale R. Cochran
Louis Costrell
Frank Davidoff
Jay Forster
Irvin N. Howell, Jr

Stuart P. Jackson
Irving Kolodny
William R. Kruesi
Benjamin J. Leon
Anthony C. Lordi
Donald T. Michael
Voss A. Moore
William S. Morgan

William J. Neiswender
Gustave Shapiro
Ralph M. Showers
Robert A. Soderman
Leonard Thomas
Charles L. Wagner
William T. Wintringham

Foreword

(This foreword is not a part of IEEE Std 116-1975, IEEE Standard Test Procedure for Carbon Brushes.)

A working group was formed by the Direct Current Machinery Subcommittee of the Rotating Machinery Committee of the IEEE Power Engineering Society to revise and update AIEE Std 508-1958, AIEE Test Code for Carbon Brushes (now IEEE Std 116-1958, IEEE Test Procedure for Carbon Brushes). The purpose of this working group was to delete from AIEE 504-1958 those sections dealing with properties of brush materials and shunt connections, thereby eliminating conflict with ANSI C64.1-1970, Brushes for Electrical Machines (NEMA CB1-1970), and to update the sections dealing with operating characteristics of brushes.

The working group has maintained the principle established in the original version of the test procedure which embodied standard procedures and equipment for making tests while avoiding specifications concerning acceptable test results. It should also be noted that the section on commutating ability, while considerably expanded, still points up the need for further research and development and is therefore not defined as a standard test procedure.

The members of the working group preparing this test procedure were:

E. J. Silva, *Chairman*

G. Gunnoe
C. C. Jones

S. Noodleman
L. F. Simbeck

J. R. Walsh