

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

REV.
D

AS39029™/112

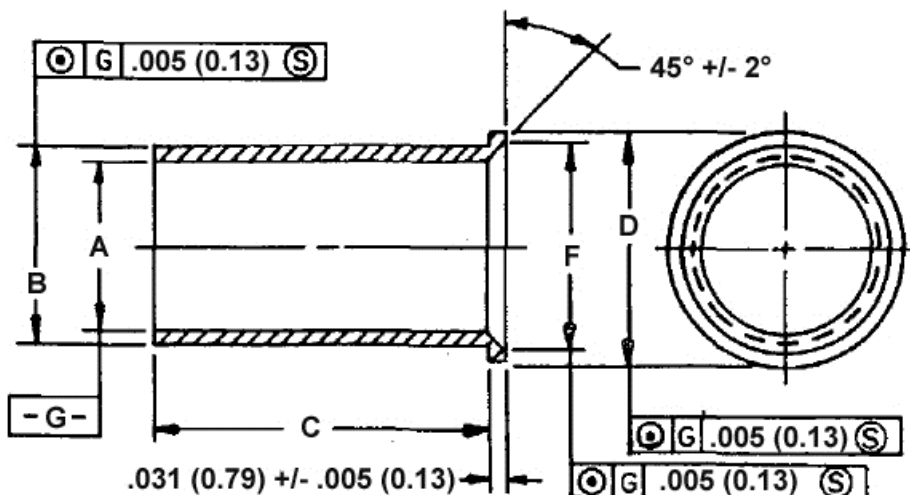
FEDERAL SUPPLY CLASS
5935

RATIONALE

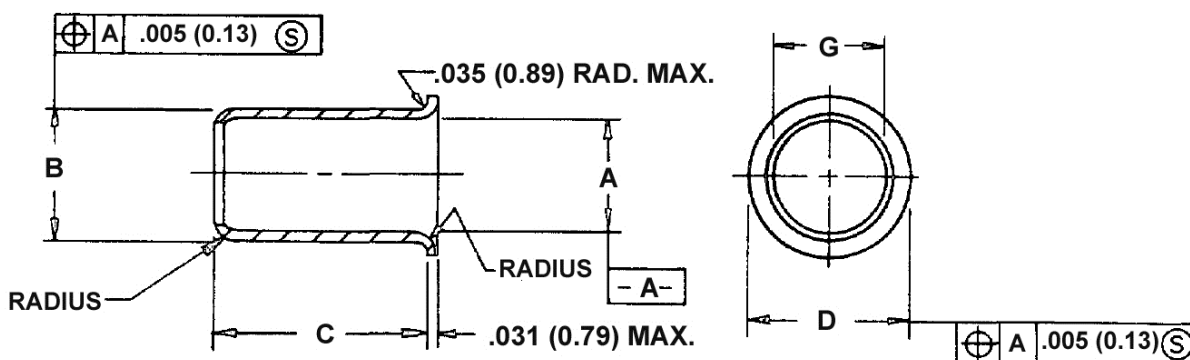
REVISION IS REQUIRED TO CORRECT DIMENSIONAL ERRORS IN THE TABLES, TO ADD A PART NUMBER AND APPLICABLE DIMENSIONS FOR A SIZE 10 BUSHING AS REQUIRED BY THE AS39029 BASE SPECIFICATION, TO CLARIFY SURFACE TEXTURE REQUIREMENT AND TO UPDATE SPECIFICATION REFERENCES/DOCUMENT FORMAT.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS39029.



CONTACT BUSHING DESIGN



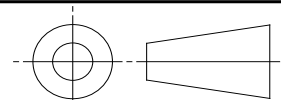
ALTERNATE CONTACT BUSHING DESIGN

FIGURE 1 - CONTACT BUSHING

For more information on this standard, visit

<https://www.sae.org/standards/content/AS39029/112D>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

(R) CONTACT BUSHING,
ELECTRICAL CONNECTOR CONTACT,
WIRE BARREL

AS39029™/112
SHEET 1 OF 4

REV.
D

Documents

Copyright © 2020 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

TABLE 1 - CONTACT BUSHING DIMENSIONS

DASH NUMBER	CONTACT WIRE BARREL SIZE (REF)	WIRE SIZE (REF)	A +.002 (0.05) -.003 (0.08) DIA	B +.002 (0.05) -.003 (0.08) DIA	C +.017 (0.43) -.016 (0.41)	D +.016 (0.41)	F +.006 (0.15) -.005 (0.13) DIA
-10 -12	10	12	.101 (2.57)	.128 (3.25)	.270 (6.86)	.170 (4.32)	.120 (3.05)
-8 -10	8	10	.136 (3.45)	.173 (4.39)	.380 (9.65)	.250 (6.35)	.188 (4.78)
-6 -10L	6	10	.136 (3.45)	.225 (5.72)	.700 (17.78)	.297 (7.54)	.188 (4.78)
-6 -9L	6	9	.155 (3.94)	.225 (5.72)	.700 (17.78)	.297 (7.54)	.219 (5.56)
-6 -8L	6	8	.185 (4.70)	.225 (5.72)	.700 (17.78)	.297 (7.54)	.250 (6.35)
-4 -8L	4	8	.185 (4.70)	.272 (6.91)	.700 (17.78)	.344 (8.74)	.250 (6.35)
-4 -6	4	6	.225 (5.72)	.272 (6.91)	.380 (9.65)	.344 (8.74)	.292 (7.42)
-4 -6L	4	6	.225 (5.72)	.272 (6.91)	.700 (17.78)	.344 (8.74)	.292 (7.42)
-4 -5L	4	5	.250 (6.35)	.272 (6.91)	.700 (17.78)	.344 (8.74)	.292 (7.42)
-1 -6L	1	6	.225 (5.72)	.396 (10.06)	.700 (17.78)	.516 (13.11)	.422 (10.72)
-1 -2L	1	2	.359 (9.12)	.396 (10.06)	.700 (17.78)	.516 (13.11)	.422 (10.72)
-0 -2	1/0	2	.359 (9.12)	.444 (11.28)	.536 (13.61)	.516 (13.11)	.462 (11.73)
-4/0 -2/0L	4/0	2/0	.500 (12.70)	.629 (15.98)	.700 (17.78)	.719 (18.26)	.562 (14.27)

TABLE 2 - ALTERNATE CONTACT BUSHING DESIGN DIMENSIONS

DASH NUMBER	CONTACT WIRE BARREL SIZE (REF)	WIRE SIZE (REF)	A +.002 (0.05) -.003 (0.08) DIA	B +.002 (0.05) -.003 (0.08) DIA	C +.010 (0.25)	D +.016 (0.41)	G DIA MIN
-10-12	10	12	.101 (2.57)	.128 (3.25)	.270 (6.86)	.170 (4.32)	.095 (2.41)
-8-10	8	10	.146 (3.71)	.173 (4.39)	.380 (9.65)	.250 (6.35)	.136 (3.45)
-6-10L	6	10	.146 (3.71)	.225 (5.72)	.700 (17.78)	.297 (7.54)	.136 (3.45)
-6-9L	6	9	.165 (4.19)	.225 (5.72)	.700 (17.78)	.297 (7.54)	.155 (3.94)
-6-8L	6	8	.195 (4.95)	.225 (5.72)	.700 (17.78)	.297 (7.54)	.185 (4.70)
-4-8L	4	8	.195 (4.95)	.272 (6.91)	.700 (17.78)	.344 (8.74)	.185 (4.70)
-4-6	4	6	.235 (5.97)	.272 (6.91)	.380 (9.65)	.344 (8.74)	.225 (5.71)
-4-6L	4	6	.235 (5.97)	.272 (6.91)	.700 (17.78)	.344 (8.74)	.225 (6.35)
-4-5L	4	5	.260 (6.60)	.272 (6.91)	.700 (17.78)	.344 (8.74)	.250 (6.35)
-1-6L	1	6	.235 (5.97)	.396 (10.06)	.700 (17.78)	.516 (13.11)	.225 (5.72)
-1-2L	1	2	.369 (9.37)	.396 (10.06)	.700 (17.78)	.516 (13.11)	.359 (9.12)
-0-2	1/0	2	.369 (9.37)	.444 (11.28)	.536 (13.61)	.516 (13.11)	.359 (9.12)
-4/0-2/0L	4/0	2/0	.510 (12.95)	.629 (15.98)	.700 (17.78)	.719 (18.26)	.500 (12.70)



AEROSPACE STANDARD

(R) CONTACT BUSHING,
ELECTRICAL CONNECTOR CONTACT,
WIRE BARRELAS39029™/112
SHEET 2 OF 4

REV.



Documents

Document Sharing Hub