

SAE Executive Standards Committee 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.
B

AS85049™/140

FEDERAL SUPPLY CLASS
4030

RATIONALE

AS85049/140B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.

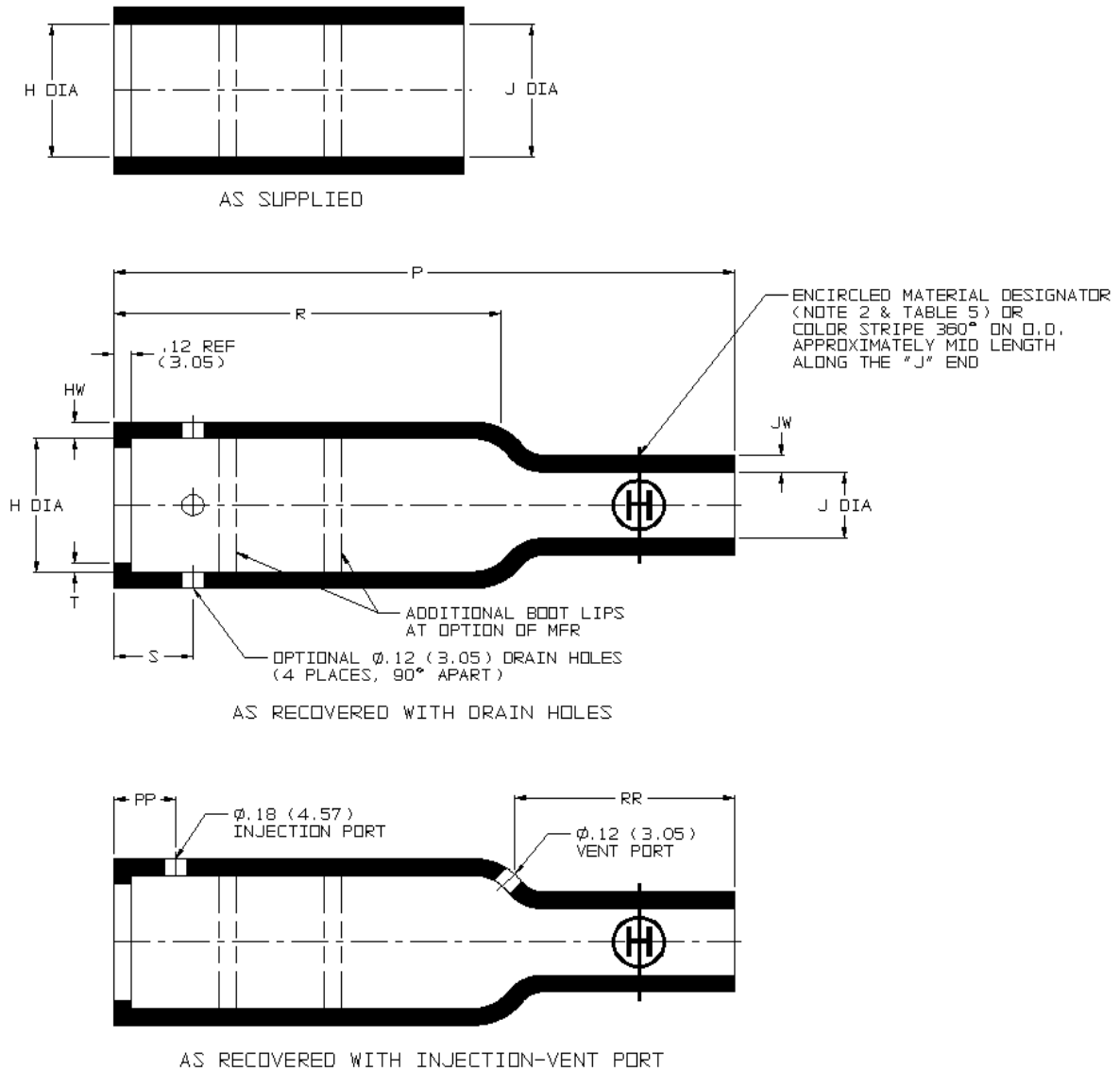
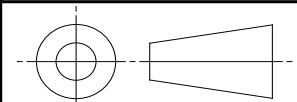


FIGURE 1 – STRAIGHT BOOT (SEE TABLE 1)

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/140B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL BOOTS,
HEAT SHRINKABLE, STRAIGHT,
CATEGORY 7

AS85049™/140
SHEET 1 OF 13

REV.
B

Documents

Copyright © 2021 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 - FOR STRAIGHT BOOT (FIGURE 1)

DASH NUMBER	H	H	J	J	J	P	R	T	HW	JW	PP	S	RR
	DIAMETER AS SUPPLIED MINIMUM	DIAMETER AS RECOVERED D MAXIMUM	DIAMETER AS SUPPLIED MINIMUM MATERIAL A, B, H	DIAMETER AS SUPPLIED MINIMUM MATERIAL C, D, G	DIAMETER AS RECOVERED D MAXIMUM	DIMENSION AS RECOVERED D $\pm 10\%$	DIMENSION AS RECOVERED D REF	DIMENSION AS RECOVERED D REF	DIMENSION AS RECOVERED D $\pm 20\%$	DIMENSION AS RECOVERED D MAXIMUM	DIMENSION AS RECOVERED D $\pm 10\%$	DIMENSION AS RECOVERED D $\pm 10\%$	DIMENSION AS RECOVERED $\pm 10\%$
01	0.92 (23.4)	0.41 (10.4)	0.92 (23.4)	0.47 (11.9)	0.24 (6.1)	1.50 (38.1)	0.83 (21.1)	0.04 (1.0)	0.07 (1.8)	0.09 (2.2)	0.60 (15.2)	0.48 (12.2)	N/A
02	1.12 (28.4)	0.56 (14.2)	1.12 (28.4)	0.58 (14.7)	0.26 (6.6)	2.16 (54.9)	1.09 (27.7)	0.04 (1.0)	0.07 (1.8)	0.09 (2.2)	0.60 (15.2)	0.49 (12.4)	0.85 (21.6)
03	1.22 (31.0)	0.70 (17.8)	1.22 (31.0)	0.63 (16.0)	0.28 (7.1)	2.63 (66.8)	1.39 (35.3)	0.04 (1.0)	0.08 (2.0)	0.10 (2.5)	0.60 (15.2)	0.75 (19.1)	0.96 (24.4)
04	1.42 (36.1)	0.88 (22.4)	1.42 (36.1)	0.73 (18.5)	0.38 (9.7)	3.15 (80.0)	1.63 (41.4)	0.04 (1.0)	0.08 (2.0)	0.10 (2.5)	0.60 (15.2)	0.75 (19.1)	1.17 (29.7)
05	1.68 (42.7)	1.11 (28.2)	1.68 (42.7)	0.87 (22.1)	0.39 (9.9)	4.08 (103.6)	2.22 (56.4)	0.07 (1.8)	0.09 (2.3)	0.11 (2.7)	0.60 (15.2)	0.75 (19.1)	1.44 (36.6)
06	2.04 (51.8)	1.38 (35.1)	2.04 (51.8)	1.39 (35.3)	0.63 (16.0)	5.13 (130.3)	2.54 (64.5)	0.07 (1.8)	0.13 (3.3)	0.16 (4.0)	0.60 (15.2)	0.57 (14.5)	2.12 (53.8)
07	2.60 (66.0)	1.75 (44.5)	2.60 (66.0)	1.80 (45.7)	0.80 (20.3)	6.50 (165.1)	3.31 (84.1)	0.08 (2.0)	0.16 (4.1)	0.19 (4.9)	0.60 (15.2)	0.68 (17.3)	2.59 (65.8)
08	3.22 (81.8)	2.27 (57.7)	3.22 (81.8)	2.25 (57.2)	1.00 (25.4)	7.00 (177.8)	3.75 (95.3)	0.08 (2.0)	0.16 (4.1)	0.19 (4.9)	0.60 (15.2)	0.68 (17.3)	2.64 (67.1)



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL BOOTS,
HEAT SHRINKABLE, STRAIGHT,
CATEGORY 7

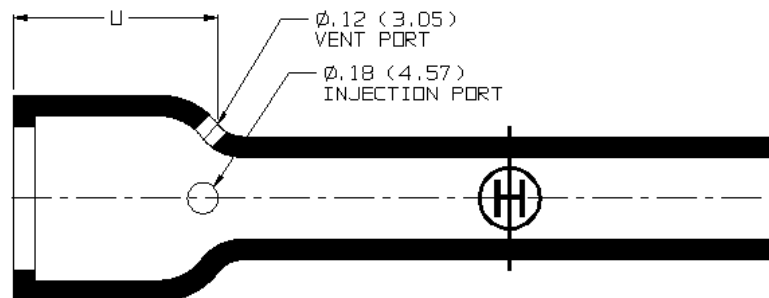
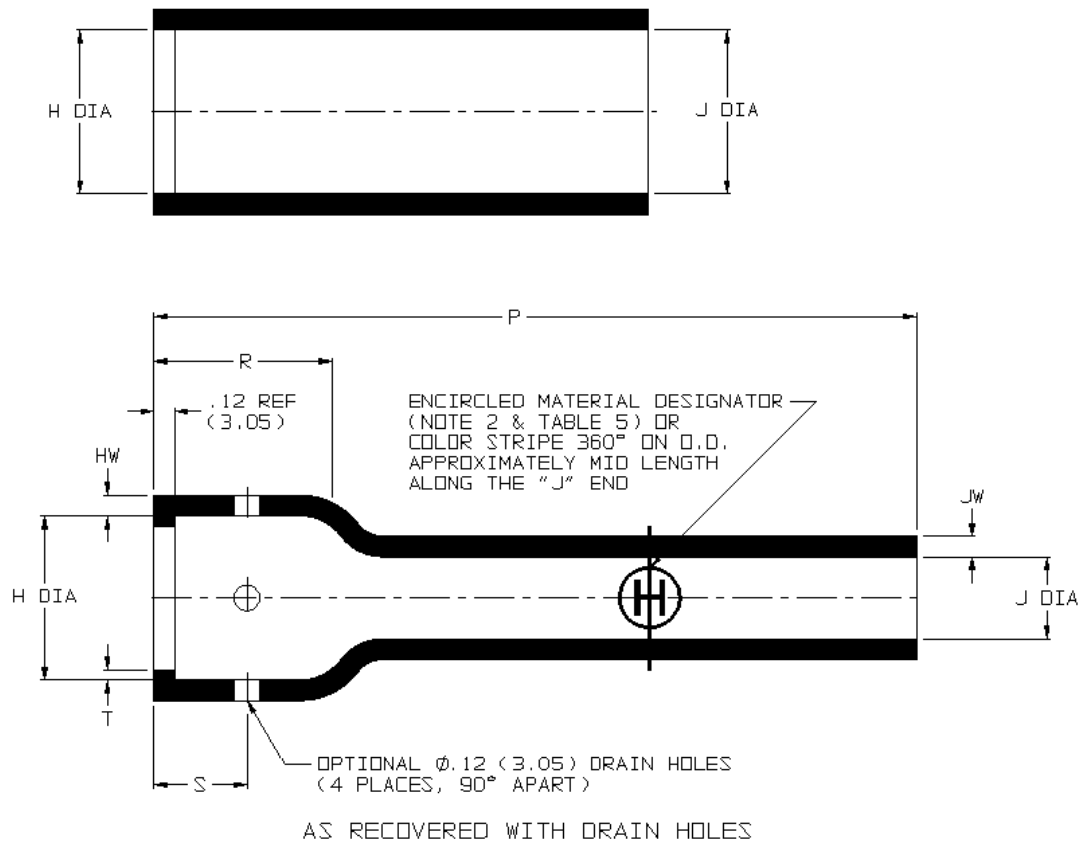
AS85049™/140
SHEET 2 OF 13

REV.



Documents

Document Sharing Hub



AS RECOVERED WITH INJECTION-VENT PORT

FIGURE 2 - STRAIGHT LOW PROFILE BOOT (SEE TABLE 2)



AEROSPACE STANDARD
CONNECTOR ACCESSORIES, ELECTRICAL BOOTS,
HEAT SHRINKABLE, STRAIGHT,
CATEGORY 7

AS85049™/140
SHEET 5 OF 13

REV.



Documents

Document Sharing Hub

TABLE 2 - STRAIGHT LOW PROFILE BOOT (FIGURE 2)

DASH NUMBER	H	H	J	J	J	J	P	R	T	HW	JW	S	U 1/ DIMENSION AS RECOVERED ±10%
	DIAMETER AS SUPPLIED MINIMUM	DIAMETER AS RECOVERED MAXIMUM	AS SUPPLIED MINIMUM MATERIAL	AS SUPPLIED MINIMUM MATERIAL	DIAMETER AS RECOVERED MAXIMUM	DIMENSION AS RECOVERED ±10%	DIMENSION AS RECOVERED REF	DIMENSION AS RECOVERED REF	DIMENSION AS RECOVERED REF	DIMENSION AS RECOVERED ±20%	DIMENSION AS RECOVERED MAXIMUM	DIMENSION AS RECOVERED ±10%	
09	0.88 (22.4)	0.47 (11.9)	0.88 (22.4)	0.55 (14.0)	0.25 (6.4)	4.17 (105.9)	0.46 (11.7)	0.04 (1.0)	0.06 (1.5)	0.05 (1.1)	0.23 (5.8)	0.56 (14.2)	
10	0.98 (24.9)	0.59 (15.0)	0.98 (24.9)	0.63 (16.0)	0.30 (7.6)	4.77 (121.2)	0.48 (12.2)	0.04 (1.0)	0.06 (1.5)	0.05 (1.1)	0.24 (6.1)	0.59 (15.0)	
11	1.16 (29.5)	0.75 (19.1)	1.16 (29.5)	0.72 (18.3)	0.33 (8.4)	5.46 (138.7)	0.48 (12.2)	0.04 (1.0)	0.07 (1.8)	0.05 (1.1)	0.47 (11.9)	0.61 (15.5)	
12	1.34 (34.0)	0.91 (23.1)	1.34 (34.0)	0.84 (21.3)	0.39 (9.9)	6.28 (159.5)	0.48 (12.2)	0.04 (1.0)	0.07 (1.8)	0.05 (1.1)	0.47 (11.9)	0.62 (15.7)	
13	1.47 (37.3)	1.18 (30.0)	1.47 (37.3)	0.91 (23.1)	0.43 (10.9)	7.00 (177.8)	0.55 (14.0)	0.07 (1.7)	0.08 (2.0)	0.05 (1.1)	0.47 (11.9)	0.71 (18.0)	
14	1.72 (43.7)	1.34 (34.0)	1.72 (43.7)	1.07 (27.2)	0.48 (12.2)	8.00 (203.2)	0.60 (15.2)	0.07 (1.7)	0.08 (2.0)	0.05 (1.1)	0.47 (11.9)	0.78 (19.8)	
15	1.97 (50.0)	1.62 (41.1)	1.97 (50.0)	1.24 (31.5)	0.57 (14.5)	8.00 (203.2)	0.60 (15.2)	0.07 (1.7)	0.09 (2.3)	0.06 (1.5)	0.30 (7.6)	0.82 (20.8)	
16	2.47 (62.7)	1.85 (47.0)	2.47 (62.7)	1.54 (39.1)	0.71 (18.0)	8.00 (203.2)	0.63 (16.0)	0.08 (2.0)	0.10 (2.5)	0.06 (1.5)	0.63 (16.0)	0.92 (23.4)	
17	2.73 (69.3)	2.36 (59.9)	2.73 (69.3)	1.70 (43.2)	0.79 (20.1)	8.00 (203.2)	0.63 (16.0)	0.08 (2.0)	0.10 (2.5)	0.06 (1.5)	0.63 (16.0)	0.93 (23.6)	
18	3.22 (81.8)	2.64 (67.1)	3.22 (81.8)	2.01 (51.1)	0.91 (23.1)	8.00 (203.2)	0.63 (16.0)	0.08 (2.0)	0.10 (2.5)	0.06 (1.5)	0.63 (16.0)	1.23 (31.2)	

1/ DIMENSION APPLICABLE TO BOTH INJECTION AND VENT PORTS

**AEROSPACE STANDARD**CONNECTOR ACCESSORIES, ELECTRICAL BOOTS,
HEAT SHRINKABLE, STRAIGHT,
CATEGORY 7**AS85049™/140**

SHEET 4 OF 13

REV.**B****Documents**

Document Sharing Hub