

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
AS10051™

FEDERAL SUPPLY CLASS
5975

RATIONALE

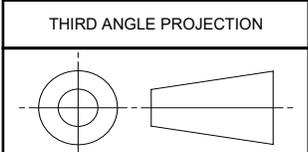
AS10051 IS BEING STABILIZED BECAUSE THE PROCESSES/PRODUCT IS CONSIDERED MATURE AND THE COMMITTEE DOES NOT ANTICIPATE FUTURE TECHNICAL CHANGES. STABILIZATION DOES NOT IMPLY THE PROCESS OR PRODUCT IS UNACCEPTABLE FOR APPLICATIONS FOR WHICH IT IS DESIGNED. ANY TECHNICAL CHANGES NOTED BY A SUPPLIER OR USER WHICH RESULTS IN A PRODUCT OR REQUIREMENT CHANGE WILL BE ADDRESSED BY A NEW REVISION. QUALIFICATION IS NOT REQUIRED.

STABILIZED NOTICE

THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY SAE AE-8A ELEC WIRING AND FIBER OPTIC INTERCONNECT SYS INSTALL COMMITTEE AND WILL NO LONGER BE SUBJECTED TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES AND CONTINUED SUITABILITY OF TECHNICAL REQUIREMENTS. NEWER TECHNOLOGY MAY EXIST.

SAENORM.COM : Click to view the full PDF of as10051b

For more information on this standard, visit
<https://www.sae.org/standards/content/AS10051B/>



CUSTODIAN: AE-8A		PROCUREMENT SPECIFICATION: NONE	
	AEROSPACE STANDARD		AS10051™
	HUBS, CONDUIT CONNECTION, STANDARD DIMENSIONS		

ISSUED 1998-03 REVISED 2020-07 STABILIZED 2023-05

NOTICE

AS10051 IS A DESIGN STANDARD FOR DIMENSIONS REQUIRED FOR CONDUIT HUB CONNECTIONS USED FOR INSTALLATION OF ELECTRICAL DISTRIBUTION CONDUITS IN AIRCRAFT. AS10051 HAS NO PROCUREMENT REQUIREMENTS.

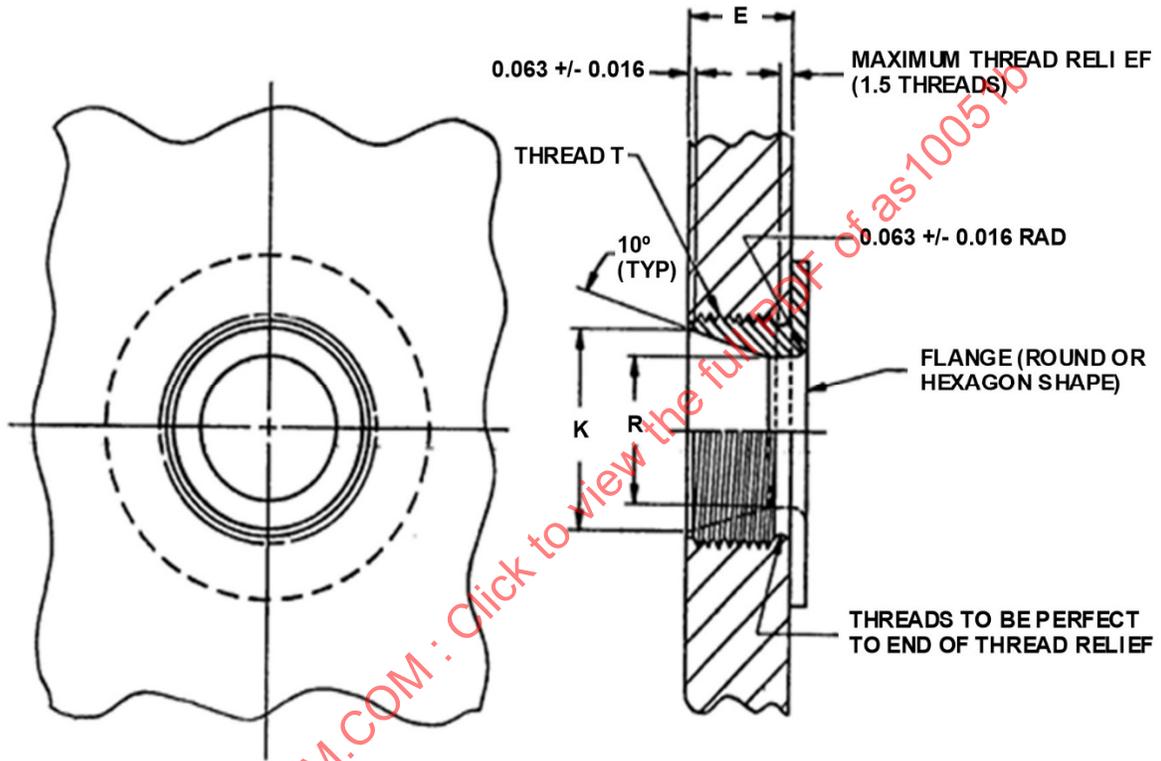


FIGURE 1 - TYPE I HUB

SAENORM.COM : Click to view the full PDF of as10051

	AEROSPACE STANDARD	AS10051™ SHEET 1 OF 3	REV. B
	HUBS, CONDUIT CONNECTION, STANDARD DIMENSIONS		

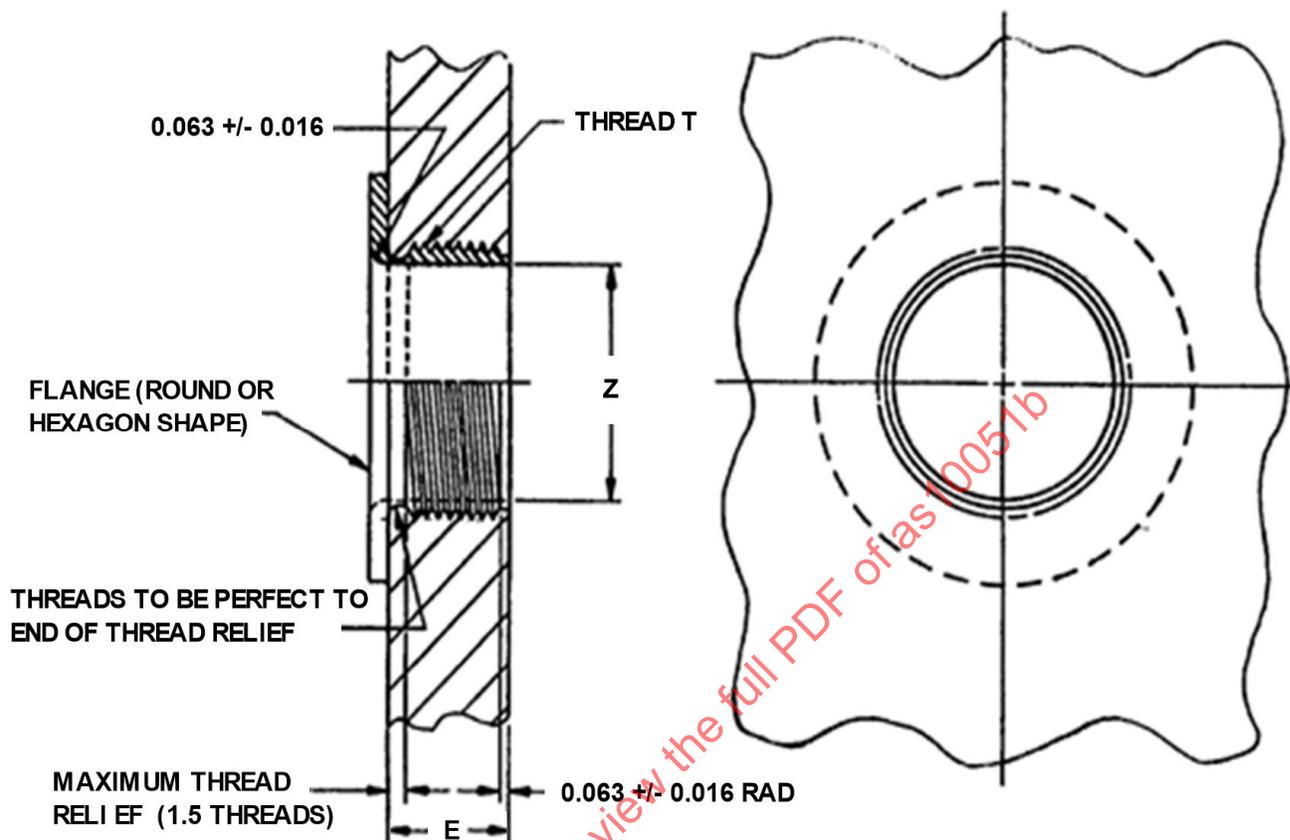


FIGURE 2 - TYPE II HUB

TABLE 1 - HUB DIMENSIONS

DASH NO.	CONDUIT ID 1/		THREAD T 2/	E MIN	K	R	Z MAX
3	3/16	.1875	.5000-28UNEF-2A	.3750	.332	.167	.353
4	1/4	.2500	.6250-24UNEF-2A		.394	.229	.478
6	3/8	.3750	.7500-20UNEF-2A		.519	.354	.591
8	1/2	.5000	.8750-20UNEF-2A		.669	.479	.634
10	5/8	.6250	1.0000-20UNEF-2A		.794	.604	.759
12	3/4	.7500	1.1875-18UNEF-2A		.929	.729	.950
16	1	1.0000	1.4375-18UNEF-2A		1.214	.979	1.235
20	1 1/4	1.2500	1.7500-18UNEF-2A	.4370	1.469	1.229	1.490
24	1 1/2	1.5000	2.0000-18UNEF-2A	.5000	1.724	1.479	1.745
28	1 3/4	1.7500	2.2500-16UN-2A		1.976	1.729	1.997
32	2	2.0000	2.5000-16UN-2A		2.229	1.979	2.250
40	2 1/2	2.5000	3.0000-16UN-2A	.6250	2.744	2.479	2.765

1/ REFER TO AS6136 CONDUIT, ELECTRICAL, FLEXIBLE, SHIELDED, ALUMINUM ALLOY FOR AIRCRAFT INSTALLATION.

2/ REFER TO MIL-S-7742 FOR DETAIL THREAD INFORMATION.

	AEROSPACE STANDARD		AS10051™ SHEET 2 OF 3	REV. B
	HUBS, CONDUIT CONNECTION, STANDARD DIMENSIONS			