

**REV.
A**

RATIONALE

REVISION REQUIRED TO CONVERT WORD-FOR-WORD AS10051 TO SAE FORMAT, CLARIFY FIGURES, AND MAKE MINOR TECHNICAL CHANGES AS NEEDED.

AS10051™

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.

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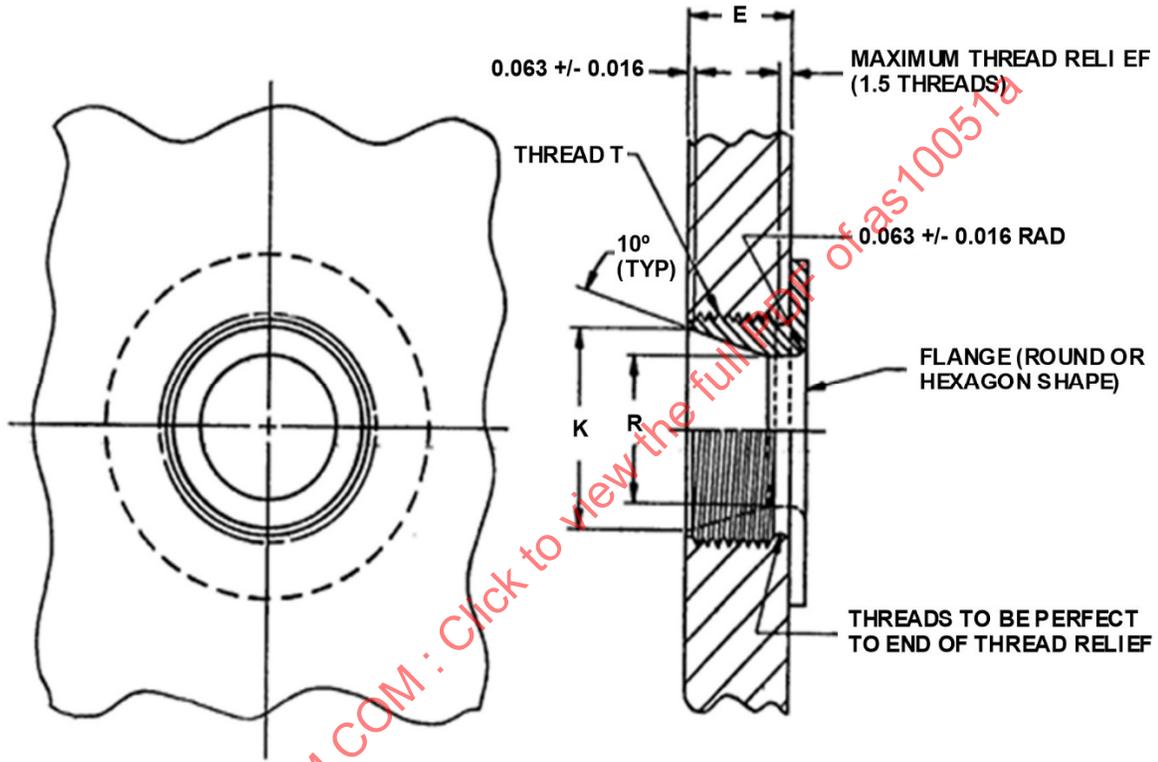
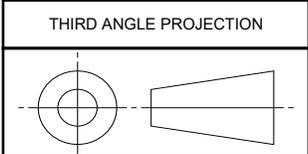


FIGURE 1 - TYPE I HUB

SAENORM.COM : Click to view the full PDF of as10051a

For more information on this standard, visit
<https://www.sae.org/standards/content/AS10051A>



CUSTODIAN: AE-8A

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD
 (R) HUBS, CONDUIT CONNECTION,
 STANDARD DIMENSIONS

AS10051™
 SHEET 1 OF 3

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ISSUED 1998-03 REVISED 2020-07

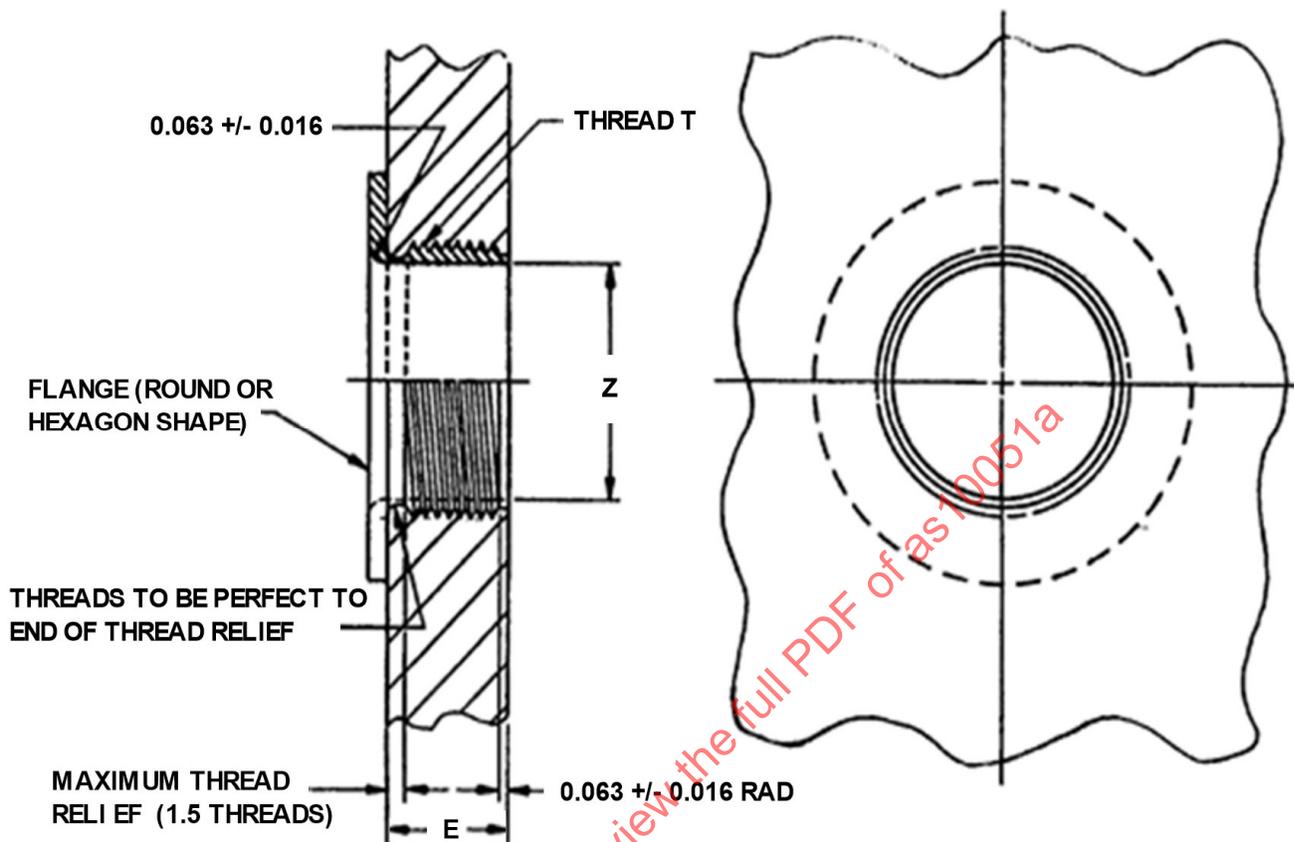


FIGURE 2 - TYPE II HUB

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
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		.5620	2.229	1.979
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.