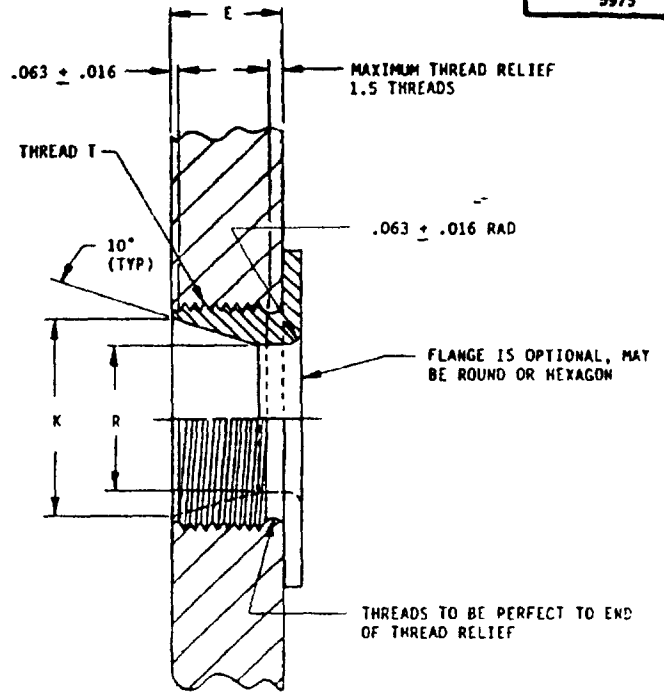
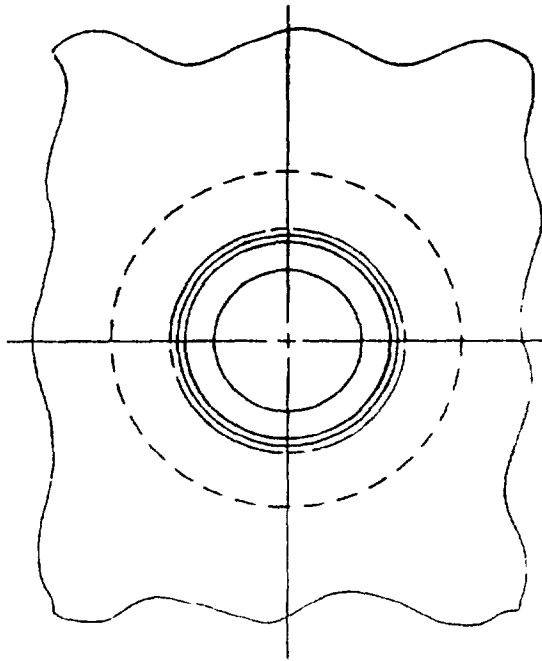


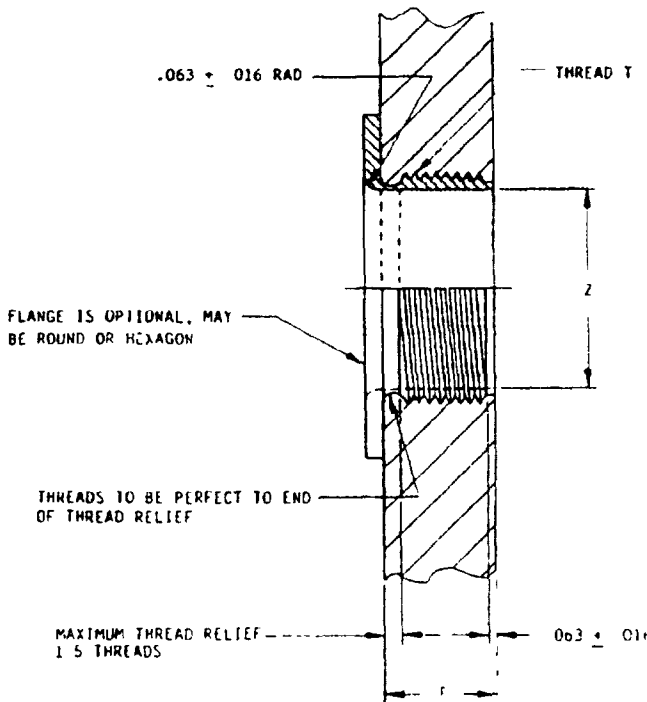
IES
USER AF
ARMY - A
REVIEWER ACTIVITIES
AIR FORCE - 82,71
ARMY - 6L, CR
DLA - CS

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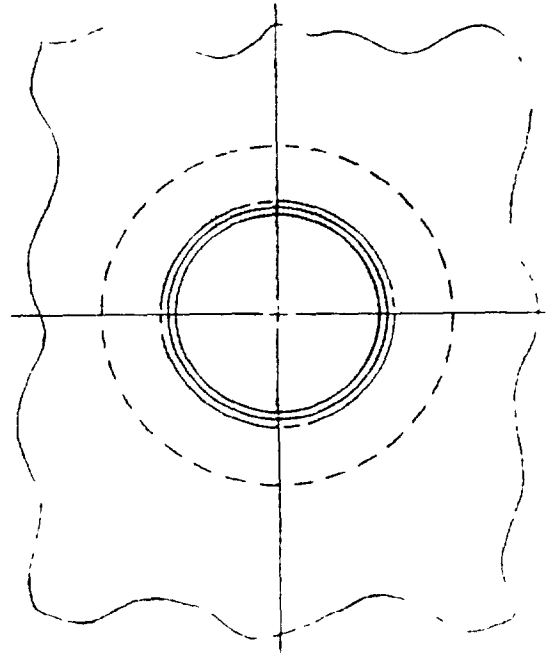
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TYPE I



TYPE II



③ ENTIRE STANDARD REVISED

DESIGN STANDARD

P A NAVY-AS
OTHER CUST
AIR FORCE-99
ARMY-AV

AIR FORCE - NAVY AERONAUTICAL DESIGN STANDARD

HUBS, CONDUIT CONNECTOR STANDARD DIMENSIONS

AND10051

APPROVED 25 MAR 40 REVISED ② 1 JUN 54 ③ 30 OCT 90

FED. SHIP CLASS
5975

USER ACTIVITIES
ARMY - AV, GL

REVIEWER ACTIVITIES
AIR FORCE - 82, 71
ARMY - GL, CR
DLA - CS

DASH NO.	CONDUIT SIZE (REF)	T MIL-S-7742	E MIN	K	R	Z MAX
3	.1875	.5000 -28UNEF-2A	.3750	.332	.167	.353
4	.2500	.6250 -24UNEF-2A		.394	.229	.478
6	.3750	.7500 -20UNEF-2A		.519	.354	.591
8	.5000	.8750 -20UNEF-2A		.669	.479	.634
10	.6250	1.0000 -20UNEF-2A		.794	.604	.759
12	.7500	1.1875 -18UNEF-2A		.929	.729	.950
16	1.0000	1.4375 -18UNEF-2A		1.214	.979	1.235
20	1.2500	1.7500 -18UNEF-2A	.4370	1.469	1.229	1.490
24	1.5000	2.0000 -18UNEF-2A	5000	1.724	1.479	1.745
28	1.7500	2.2500 -16UN-2A		1.976	1.729	1.997
32	2.0000	2.5000 -16UN-2A	.5620	2.229	1.979	2.250
40	2.5000	3.0000 -16UN-2A	6250	2.744	2.479	2.765

REQUIREMENTS

- 1 THREADS TO BE IN ACCORDANCE WITH SPECIFICATION MIL-S-7742
- 2 CONDUIT HUBS MAY BE MADE AS SEPARATE THREADED INSERTS, SCREWED INTO OR OTHERWISE SECURED IN AN APPROVED MANNER TO THE EQUIPMENT. IN THE CASE OF THIN, SHEET METAL TERMINAL BOXES, THE HUB SHOWN MAY BE WELDED ON INSTEAD OF BEING CAST INTEGRAL.
- 3 THE INSIDE MACHINE SURFACE SHALL BE SMOOTH TO 125 MICRONS PER ANSI B 46.1

NOTES

- 1 BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE
- 2 DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES DECIMALS ± .005 ANGLES ± 1/2°
- 3 IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE
- 4 REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN
- 5 THIS IS A DESIGN STANDARD NOT TO BE USED AS A PART NUMBER
- 6 CHANGED FSC CLASS FROM 4730 TO "5975"

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THEIR FABRICATION AFTER THE LATEST DATE OF APPROVAL SHOWN
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MIL-S-7742 CONDUIT CONNECTOR STANDARD DRAWING

AND10051

APPROVED 25 MAR 40 REVISED (3) FOR CHANGES SEE HTS 1 AND 2