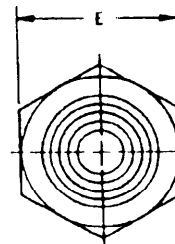
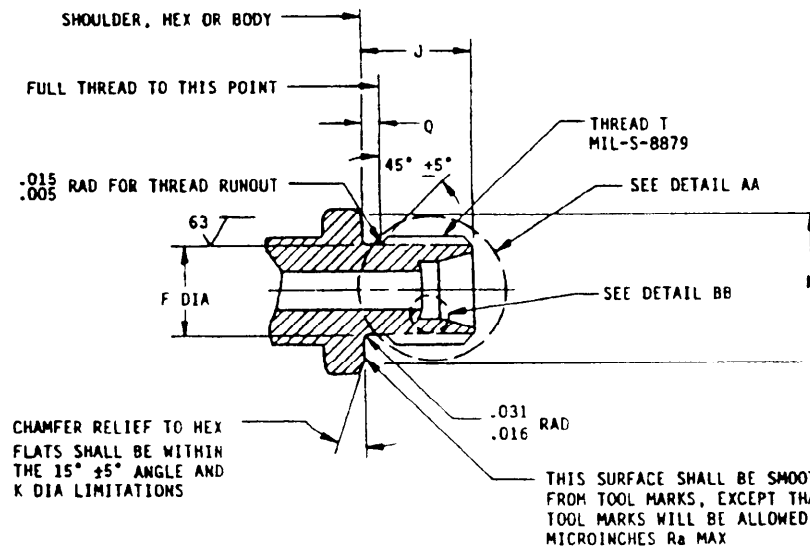
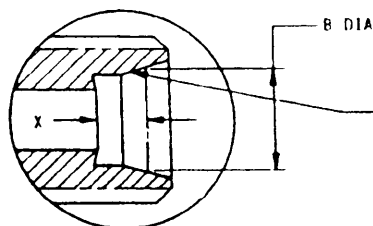


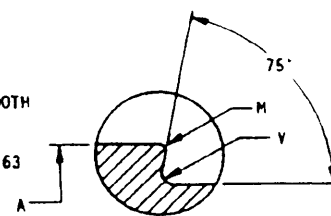
STYLE G



STYLE E

MAY BE USED WITH GASKET
SEAL IN BOSS

DETAIL AA ENLARGED

GAGING DIMENSIONS
FOR CAVITIESTHIS SURFACE SHALL BE SMOOTH
AND FREE FROM TOOL MARKS,
EXCEPT THAT ANNULAR TOOL
MARKS WILL BE ALLOWED TO 63
MICROINCHES Ra MAX

DETAIL BB ENLARGED

G DENOTES CHANGE

DESIGN STANDARD

PREPARING ACTIVITY: NAVY - AS
CUSTODIANS ARMY - AV NAVY - AS
AIR FORCE - 99 DLA -

REVIEW: USAF-71,82,DLA-CS,ARMY-MI
USER: ARMY-GL,ME,AT,MARINE CORPS-MC
PROJECT NUMBER: 4730-0021

MILITARY SPECIFICATION SHEET

TITLE
FITTING END, STANDARD DIMENSIONS FOR
FLARELESS TUBE CONNECTION AND
GASKET SEAL

SPECIFICATION SHEET NUMBER

MS33514G

21 MAY 90

SUPERSEDING

MS33514F

27 JAN 69

AMSC - N/A

FSC 4730

DISTRIBUTION STATEMENT

A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

PAGE 1 OF 3

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODDS SPECIFICATION AGENCY: NONE

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

TABLE 1. DIMENSIONS DATA

SIZE NO.	TUBE OD	THREAD T MIL-S-8879	A ±.003	B GAGE	C REF	D +.004 -.000	E	F +.002 -.003	H ±.003	J ±.010	K ±.010 DIA	M MAX RAD
2	.125	.3125-24 UNJF-3A	.093	.1630	.189	.135	.563	.250	.188	.375	.549	.005
3	.188	.3750-24 UNJF-3A	.125	.2340	.267	.196	.625	.312	.234	.422	.611	
4	.250	.4375-20 UNJF-3A	.187	.2930	.319	.261	.688	.364		.453	.674	
5	.313	.5000-20 UNJF-3A	.234	.3560	.382	.324	.750	.426	.250		.736	.010
6	.375	.5625-18 UNJF-3A	.297	.4160	.441	.386	.813	.481		.469	.799	
8	.500	.7500-16 UNJF-3A	.422	.5600	.601	.514	1.000	.660	.305	.562	.986	
10	.625	.8750-14 UNJF-3A	.500	.6860	.727	.641	1.125	.773	.350	.625	1.111	
12	.750	1.0625-12 UNJ -3A	.656	.8100	.852	.766	1.375	.945			1.361	
16	1.000	1.3125-12 UNJ -3A	.875	1.0620	1.102	1.016	1.625	1.195	.415		1.599	
20	1.250	1.6250-12 UNJ -3A	1.093	1.3160	1.355	1.270	1.875	1.507		.688	1.849	.015
24	1.500	1.8750-12 UNJ -3A	1.344	1.5650	1.604	1.520	2.125	1.756	.485		2.095	
32	2.000	2.5000-12 UNJ -3A	1.813	2.0680	2.108	2.022	2.750	2.381			2.720	

SIZE NO.	O +.015 - .000	Y RAD		W MAX	X ±.005	Y ±.010
		MAX	MIN			
2	.063	.010	.005	.002	.128	.250
3		.015	.010		.158	.310
4	.174				.365	
5	.190				.425	
6	.083				.193	.480
8	.094				.210	.660
10	.107	.255	.775			
12	.125	.030	.020	.003	.253	.945
16					.322	1.195
20					.325	1.505
24					.390	1.755
32				.395	2.380	

PREPARING ACTIVITY: NAVY - AS

CUSTODIANS: ARMY - AV NAVY - AS
AIR FORCE - 99 DLA -REVIEW: USAF-71,82,DLA-CS,ARMY-M1
USER: ARMY-GL,ME,AT,MARINE CORPS-MC
PROJECT NUMBER: 4730-0021

MILITARY SPECIFICATION SHEET

TITLE
FITTING END, STANDARD DIMENSIONS FOR
FLARELESS TUBE CONNECTION AND
GASKET SEAL

SPECIFICATION SHEET NUMBER

MS33514G 21 MAY 90

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MS33514F 27 JAN 69

AMSC - N/A FSC 4730

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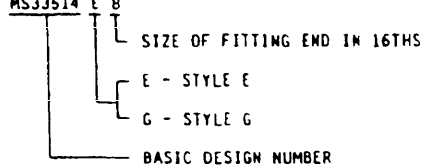
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PAGE 2 OF 3

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NOTES:

1. CONCENTRICITY: D, C, AND T (PITCH DIA) SHALL BE CONCENTRIC TO EACH OTHER WITHIN .008 FULL INDICATOR MOVEMENT (F.I.M.). F AND T (PITCH DIA) SHALL BE CONCENTRIC TO EACH OTHER WITHIN .005 F.I.M.
2. SQUARENESS BETWEEN THREAD AND FACE OF HEX SHALL NOT EXCEED W WHEN MEASURED AT DIA K.
3. SURFACE ROUGHNESS IN ACCORDANCE WITH ANSI/ASME B46.1.
4. REMOVE ALL BURRS, SLIVERS AND SHARP EDGES.
5. DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: ANGLES 0.5°.
6. EXAMPLE OF DESIGN IDENTIFICATION NUMBERS: MS33514 E 8



7. IN THE EVENT OF CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
8. 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.

PREPARING ACTIVITY: NAVY — AS

CUSTODIANS: ARMY — AV

NAVY — AS

AIR FORCE — 99

DLA —

REVIEW: USAF-71,82,DLA-CS,ARMY-M1

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