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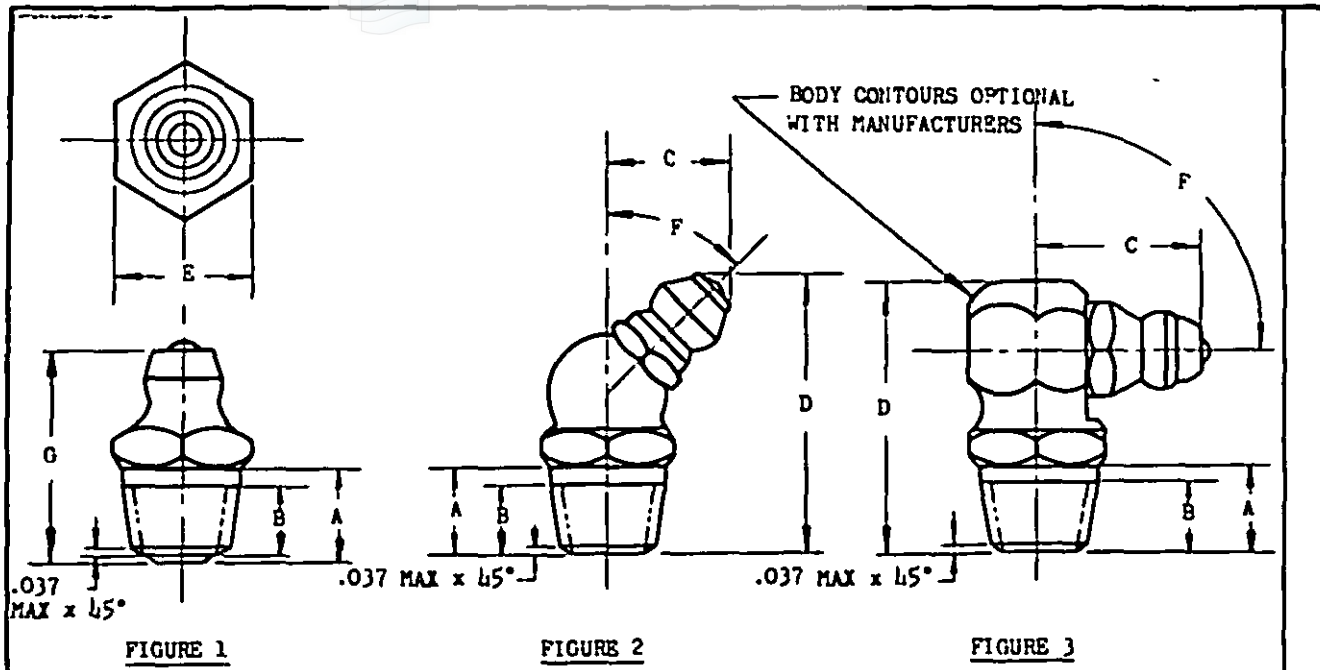


FIGURE 1

FIGURE 2

FIGURE 3

ACCEPTABLE TIP DESIGNS - IN ACCORDANCE WITH MS15000

MS PART NO.	FIG.	(a) THREAD T	A ±1/32	(b) B	C MAX	D MAX	E +.000 -.003	F	G ±1/16	FEDERAL ITEM IDENTIFICATION NO.
MS15003-1	1	1/8	9/32	3/16	--	--	.438	--	11/16	050-4208
MS15003-2		1/8	3/4	3/16	--	--	.438	--	1-1/4	172-0022
MS15003-3	2	1/8	9/32	3/16	3/8	1-5/32	.438	30°	--	172-0025
MS15003-4		1/8	9/32	3/16	1/2	1-3/32	.438	45°	--	172-0028
MS15003-5		1/8	9/32	3/16	5/8	31/32	.438	65°	--	172-0031
MS15003-6	3	1/8	9/32	3/16	5/8	15/16	.438	90°	--	172-0034
MS15003-7		1/8	9/32	3/16	9/16	1-3/16	.438	105°	--	172-0037

(a) PIPE THREAD SHALL BE MODIFIED (DRY SEAL) TAPER PIPE THREAD, NPTF, IN ACCORDANCE WITH HANDBOOK H-28 EXCEPT THAT LENGTH OF EFFECTIVE THREAD L2 IS SHORTENED BY ONE THREAD ON SMALL END AND ONE THREAD ON LARGE END. SMALL END OF THREAD SHALL GAGE FROM FLUSH TO MINUS 1-1/2 TURNS FROM SMALL END OF DRYSEAL (NPTF-L1) THIN RING GAGE. WIDTH OF FLAT ON THREAD CREST MAY BE .007 MAXIMUM.

(b) EFFECTIVE THREAD.

MATERIAL: STEEL - SEE PROCUREMENT SPECIFICATION.

FINISH: SEE PROCUREMENT SPECIFICATION.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: ANGLES ±5°.

CUSTODIANS Army - O Navy - BuAer Air Force	MILITARY STANDARD		MS15003
	FITTINGS, LUBRICATION (HYDRAULIC) SURFACE CHECK, 1/8 PIPE THREADS, STEEL, TYPE III		

OTHER INTEREST: Army - ESigT Navy - MCOorSh

APPROVED 12 JUL 51 REVISED