

USER SYMBOLS:

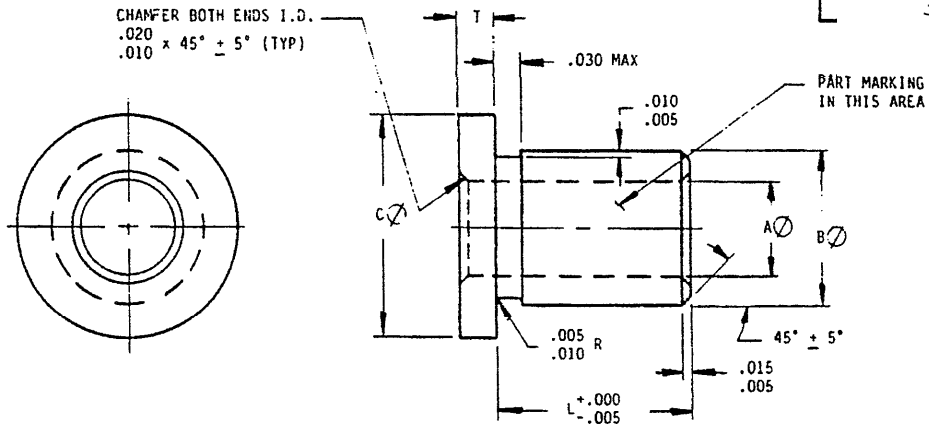
REVIEWER SYMBOLS:

AF - 99  
DLA - 15

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AMSC N/A



SIZE DASH NO.	NOM. DIA.	A $\varnothing$	B $\varnothing$	RECM'D HOUSING BORE	INTERFERENCE FIT (REF)	C $\varnothing$	T $\pm .002$
-03	.1900	.177 .184	.3142 .3137	.3133 .3125	.0017 .0004	.447 .427	.062
-04	.2500	.235 .243	.3767 .3762	.3756 .3750	.0017 .0004	.510 .490	.062
-05	.3125	.299 .307	.4393 .4386	.4383 .4375	.0018 .0005	.572 .552	.062
-06	.3750	.356 .364	.5620 .5013	.5008 .5000	.0020 .0005	.635 .615	.062
-07	.4375	.421 .428	.5646 .5639	.5634 .5625	.0021 .0005	.697 .677	.062
-08	.5000	.483 .490	.6272 .6264	.6259 .6250	.0022 .0005	.760 .740	.062
-10	.6250	.608 .615	.8150 .8140	.8134 .8125	.0025 .0006	1.010 .990	.094
-10A	.6250	.608 .615	.8150 .8140	.8134 .8125	.0025 .0006	1.010 .990	.062
-12	.7500	.732 .742	.9400 .9390	.9384 .9375	.0025 .0006	1.135 1.115	.094
-14	.8750	.857 .867	1.0651 1.0641	1.0635 1.0625	.0026 .0006	1.250 1.240	.094
-16	1.0000	.982 .992	1.1901 1.1891	1.1885 1.1875	.0026 .0006	1.385 1.365	.094
-18	1.1250	1.107 1.117	1.3151 1.3141	1.3135 1.3125	.0026 .0006	1.510 1.490	.125
-20	1.2500	1.232 1.242	1.4401 1.4391	1.4385 1.4375	.0026 .0006	1.635 1.615	.125

NOTES:

- LENGTH TO BE SPECIFIED IN .010 INCH INCREMENTS. BUSHING LENGTHS ALLOWED TO BE CODED BY THIS STANDARD SHALL BE A MAXIMUM OF 5 TIMES THE NOMINAL BORE DIAMETER AND A MINIMUM OF 1/4 TIMES THE NOMINAL BORE DIAMETER.
- DIAMETERS TO BE CONCENTRIC WITHIN .003 FIR.
- DIMENSIONS TO BE MET AFTER PLATING.
- ALL SURFACES 125/ RMS OR SMOOTHER IN ACCORDANCE WITH ANSI B46.1.
- THESE BUSHINGS INTENDED FOR REAMING ON ASSEMBLY.
- DIMENSIONS ARE IN INCHES.

(A) REVISED AND REDRAWN

P.A. NAVY - AS Other Cust ARMY - AV AF - 11	TITLE	MILITARY STANDARD	
	BUSHING, SLEEVE FLANGED, PRESS FIT, REAM TYPE	MS14238	
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET	OF
		1	2

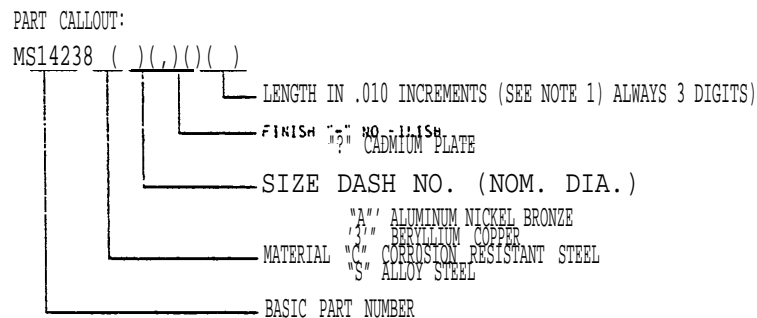
FED. SUP CLASS  
3120

MATERIAL: STEEL - 4130 STEEL PER MIL-S-6758 OR MIL-T-6736  
CORROSION RESISTANT STEEL - 17-4 PH PER AMS5643, PASSIVATE PER MIL-S-5002  
ALUMINUM NICKEL BRONZE PER AMS4640  
BERYLLIUM COPPER PER QQ-C-530, CONDITION H.T.

HEAT TREAT: STEEL - 125,000 - 145,000 PSI UTS  
CORROSION RESISTANT STEEL - 135,000 - 170,000 PSI UTS

FINISH: CADMIUM PLATE OUTSIDE DIAMETER AND END SURFACES PER QQ-P-416 TYPE 11, CLASS 2. FLASH PERMITTED IN BORE.

PART MARKING: BUSHINGS WITH AN "L" DIMENSION OF .500 OR LONGER SHALL BE RUBBER STAMPED WITH THE SUPPLIER'S NAME, TRADEMARK, OR CODE NUMBER, BASIC MILITARY STANDARD NUMBER (LESS MS PREFIX), MATERIAL CODE AND SIZE CODE. PACKAGES SHALL BE MARKED WITH THE SUPPLIER'S NAME, TRADEMARK OR CODE NUMBER AND THE COMPLETE MILITARY STANDARD NUMBER FOR ALL BUSHING SIZES.



EXAMPLES:  
MS14236S06P037 . BUSHING, FLANGED, STEEL, FOR .375 NOM. DIA., CADMIUM PLATED, .370 INCHES LONG  
MS14238B16-500 = BUSHING, FLANGED, BERYLLIUM COPPER, FOR 1.000 NOM. DIA., UNPLATED, 5.00 INCHES LONG

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.

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.

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	BUSHING, SLEEVE FLANGED, PRESS FIT, REAN TYPE	MS 4238
PROCUREMENT SPECIFICATION	SUPERSEDES:	SHEET OF

APPROVED 15 OCT 1982  
REVISED (A) FOR CHANGES SEE SHEET 1