

FED. SUP CLASS
3120

USER SYMBOLS:

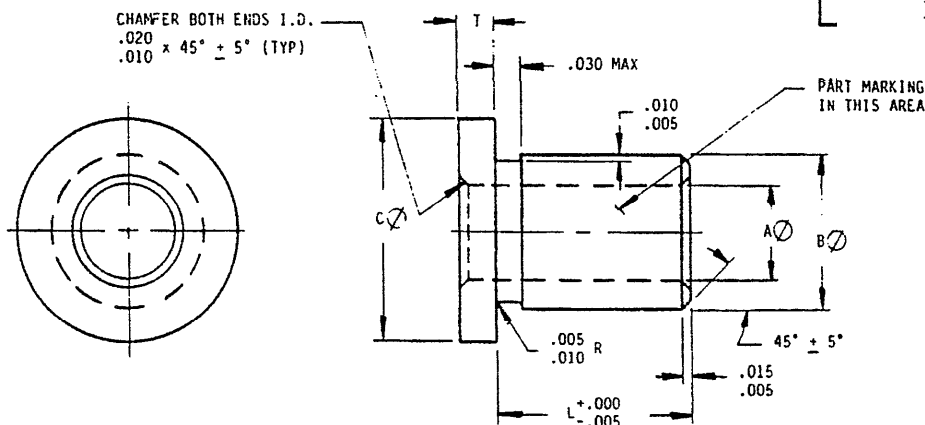
REVIEWER SYMBOLS:

AF - 99
DLA - 15

"Review/user information is current as of the date of this document.
For future coordination of change to this document, draft circulation
should be based on the information in the current DODISS."

DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE. DISTRIBUTION IS UNLIMITED.
This military standard is issued for use by all Departments &
Agencies of the Department of Defense. Selection for all new
engineering and design applications and for repetitive use shall be
made from this document.

AMSC N/A



SIZE DASH NO.	NOM. DIA.	A \varnothing	B \varnothing	REC'D HOUSING BORE	INTERFERENCE FIT (REF)	C \varnothing	T ±.002
-03	.1900	.177 .184	.3142 .3137	.3133 .3125	.0017 .0004	.447 .427	.062
-04	.2500	.235 .243	.3767 .3762	.3758 .3750	.0017 .0004	.510 .490	.062
-05	.3125	.299 .307	.4393 .4388	.4383 .4375	.0018 .0005	.572 .552	.062
-06	.3750	.356 .364	.5020 .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:

1. 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.
2. DIAMETERS TO BE CONCENTRIC WITHIN .003 FIR.
3. DIMENSIONS TO BE MET AFTER PLATING.
4. ALL SURFACES 125/ RMS OR SMOOTHER IN ACCORDANCE WITH ANSI B46.1.
5. THESE BUSHINGS INTENDED FOR REAMING ON ASSEMBLY.
6. 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	SUPERSEDES:	SHEET	OF
NONE		1	2

USER SYMBOLS

REVIEWER SYMBOLS

AF - 99
DLA - 15

"Review/issue information is current as of the date of this document.
For future coordination of changes to this document, draft circulation
should be based on the information in the current DODISS."

DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE. DISTRIBUTION IS UNLIMITED.
This military standard is approved for use by all Departments &
Agencies of the Department of Defense. Selection for all new
engineering and design applications and for repetitive use shall be
made from this document.

AMSC N/A

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.

PART CALLOUT:

MS14238 () () () ()

LENGTH IN .010 INCREMENTS (SEE NOTE 1) ALWAYS 3 DIGITS)

FINISH "Z" NO. 11158
"Z" CADMIUM PLATE

SIZE DASH NO. (NOM. DIA.)

"A" ALUMINUM NICKEL BRONZE
"B" BERYLLIUM COPPER
"C" CORROSION RESISTANT STEEL
"S" ALLOY STEEL

BASIC PART NUMBER

EXAMPLES:

MS14238S06P037 . 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:

FED. SUP CLASS
3120APPROVED 15 OCT 1982
REVISED (A) FOR CHANGES SEE SHEET 1

P.A. NAVY-AS Other cust ARMY - AV AF - 11	TITLE BUSHING. SLEEVE FLANGED, PRESS FIT, REAN TYPE	MILITARY STANDARD	
		MS	4 2 3 8
PROCUREMENT SPECIFICATION	SUPERSEDES:	SHEET OF	