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REV.
E

AS14238™

FEDERAL SUPPLY CLASS
3120

RATIONALE

AS14238E IS BEING REVIEWED AS PART OF SAE'S FIVE-YEAR REVIEW POLICY. CORRECTED FIGURE 1 RADIUS TOLERANCE FORMAT. REVISED TABLE 1 TO CLARIFY WEIGHT FORMULA.

NOTICE

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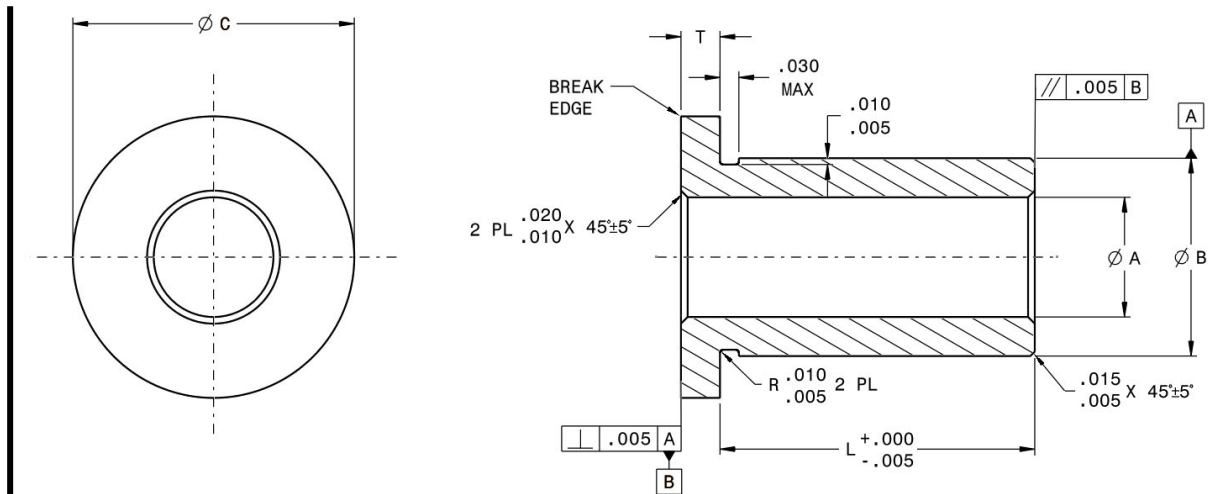
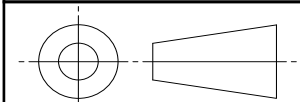


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS14238E/>

THIRD ANGLE PROJECTION



CUSTODIAN: ACBG

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

BUSHING,
SLEEVE FLANGED,
PRESS FIT, REAM TYPE

AS14238™
SHEET 1 OF 4

REV.
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TABLE 1

SIZE DASH NO.	NOM DIA	ØA	ØB	RECM'D HOUSING BORE	INTERFERENCE FIT (REF)	ØC	T ±.002	WEIGHT (REF) (POUND)
-03	.1900	.184 .177	.3142 .3137	.3133 .3125	.0017 .0004	.447 .427	.062	(.009 + .053L _(MAX)) X DENSITY
-04	.2500	.243 .235	.3767 .3762	.3758 .3750	.0017 .0004	.510 .490	.062	(.010 + .069L _(MAX)) X DENSITY
-05	.3125	.307 .299	.4393 .4388	.4383 .4375	.0018 .0005	.572 .552	.062	(.012 + .082L _(MAX)) X DENSITY
-06	.3750	.364 .356	.5020 .5013	.5008 .5000	.0020 .0005	.635 .615	.062	(.014 + .099L _(MAX)) X DENSITY
-07	.4375	.428 .421	.5646 .5639	.5634 .5625	.0021 .0005	.697 .677	.062	(.016 + .112L _(MAX)) X DENSITY
-08	.5000	.490 .483	.6272 .6264	.6259 .6250	.0022 .0006	.760 .740	.062	(.017 + .126L _(MAX)) X DENSITY
-10	.6250	.615 .608	.8150 .8140	.8134 .8125	.0025 .0006	1.010 .990	.094	(.049 + .232L _(MAX)) X DENSITY
-10A	.6250	.615 .608	.8150 .8140	.8134 .8125	.0025 .0006	1.010 .990	.062	(.033 + .232L _(MAX)) X DENSITY
-12	.7500	.742 .732	.9400 .9390	.9384 .9375	.0025 .0006	1.135 1.115	.094	(.057 + .274L _(MAX)) X DENSITY
-14	.8750	.867 .857	1.0651 1.0641	1.0635 1.0625	.0026 .0006	1.260 1.240	.094	(.064 + .315L _(MAX)) X DENSITY
-16	1.0000	.992 .982	1.1901 1.1891	1.1885 1.1875	.0026 .0006	1.385 1.365	.094	(.072 + .356L _(MAX)) X DENSITY
-18	1.1250	1.117 1.107	1.3151 1.3141	1.3135 1.3125	.0026 .0006	1.510 1.490	.125	(.105 + .396L _(MAX)) X DENSITY
-20	1.2500	1.242 1.232	1.4401 1.4391	1.4385 1.4375	.0026 .0006	1.635 1.615	.125	(.115 + .437L _(MAX)) X DENSITY

REQUIREMENTS:

1. $WEIGHT_{(MAX)} = \pi/4 \times [(C_{MAX}^2 - A_{MIN}^2) \times T_{MAX} + (B_{MAX}^2 - A_{MIN}^2) \times L_{MAX}] \times DENSITY.$

TABLE 2

MATERIAL	DENSITY LB/IN ³ (REF)
4130 STEEL	.283
17-4PH	.283
ALUMINUM NICKEL BRONZE	.276
COPPER BERYLLIUM	.298

2. MATERIAL:

ALLOY STEEL: 4130 STEEL PER AMS-S-6758, AMS6360, AMS6361, OR AMS6362.

CORROSION RESISTANT STEEL: 17-4PH PER AMS5643, PASSIVATE PER AMS2700 OR ASTM A967 CITRIC 1, CITRIC 2, OR CITRIC 3.

ALUMINUM NICKEL BRONZE PER AMS4640.

COPPER BERYLLIUM PER AMS4534 OR ASTM B196, CONDITION TH04.

3. HEAT TREAT:

ALLOY STEEL: 125000 TO 145000 PSI UTS.

CORROSION RESISTANT STEEL: 135000 TO 170000 PSI UTS.

COPPER BERYLLIUM: 165000 PSI UTS (MINIMUM).

	AEROSPACE STANDARD	AS14238™ SHEET 2 OF 4	REV. F
	BUSHING, SLEEVE FLANGED, PRESS FIT, REAM TYPE		



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