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REV.
C

AS14237™

FEDERAL SUPPLY CLASS
3120

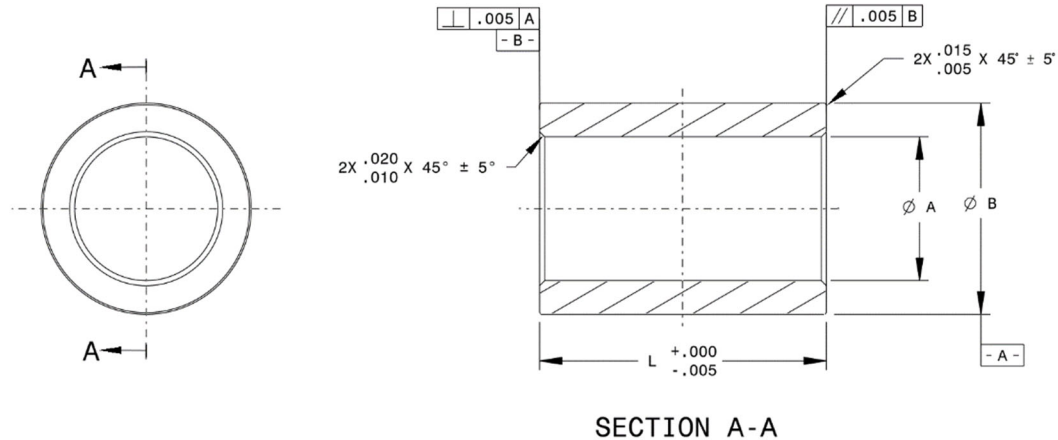
RATIONALE

AS14237C RESULTS FROM A FIVE-YEAR REVIEW. REVISED TABLE 1 TO CLARIFY WEIGHT FORMULA, REMOVED ULTIMATE TENSILE STRENGTH FROM HEAT TREAT SECTION AND REPLACED WITH THE MINIMUM HARDNESS REQUIREMENT, ADDED ALUMINUM NICKEL BRONZE TO HEAT TREAT SECTION.

NOTICE

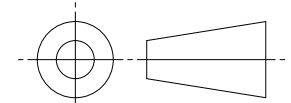
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<https://www.sae.org/standards/content/AS14237C/>

THIRD ANGLE PROJECTION



CUSTODIAN: ACBG

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

BUSHING, SLEEVE PLAIN, PRESS FIT,
REAM TYPE

AS14237™
SHEET 1 OF 4

REV.
C

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TABLE 1

SIZE DASH NO.	NOM DIA	ØA	ØB	RECM'D HOUSING BORE	INTERFERENCE FIT (REF)	WEIGHT (REF) (POUNDS)
-03	.1900	.177 .184	.3142 .3137	.3133 .3125	.0017 .0004	.053 X L _(MAX) X DENSITY
-04	.2500	.235 .243	.3767 .3762	.3758 .3750	.0017 .0004	.069 X L _(MAX) X DENSITY
-05	.3125	.299 .307	.4393 .4388	.4383 .4375	.0018 .0005	.082 X L _(MAX) X DENSITY
-06	.3750	.356 .364	.5020 .5013	.5008 .5000	.0020 .0005	.099 X L _(MAX) X DENSITY
-07	.4375	.421 .428	.5646 .5639	.5634 .5625	.0021 .0005	.112 X L _(MAX) X DENSITY
-08	.5000	.483 .490	.6272 .6264	.6259 .6250	.0022 .0006	.126 X L _(MAX) X DENSITY
-10	.6250	.608 .615	.8150 .8140	.8134 .8125	.0025 .0006	.232 X L _(MAX) X DENSITY
-12	.7500	.732 .742	.9400 .9390	.9384 .9375	.0025 .0006	.274 X L _(MAX) X DENSITY
-14	.8750	.857 .867	1.0651 1.0641	1.0635 1.0625	.0026 .0006	.315 X L _(MAX) X DENSITY
-16	1.0000	.982 .992	1.1901 1.1891	1.1885 1.1875	.0026 .0006	.356 X L _(MAX) X DENSITY
-18	1.1250	1.107 1.117	1.3151 1.3141	1.3135 1.3125	.0026 .0006	.396 X L _(MAX) X DENSITY
-20	1.2500	1.232 1.242	1.4401 1.4391	1.4385 1.4375	.0026 .0006	.437 X L _(MAX) X DENSITY

REQUIREMENTS:

1. $WEIGHT_{(MAX)} = \pi/4 \times [(OD_{(MAX)})^2 - (ID_{(MIN)})^2] \times L_{(MAX)} \times DENSITY$

TABLE 2

MATERIAL	DENSITY LB/IN ³ (REF)
4130 STEEL	.283
17-4PH	.283
ALUMINUM NICKEL BRONZE	.276
COPPER BERYLLIUM	.298
COPPER NICKEL TIN	.323

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.

COPPER NICKEL TIN PER AMS4596 OR AMS4598.

	AEROSPACE STANDARD	AS14237™ SHEET 1 OF 1	REV. 6
	BUSHING, SLEEVE PLAIN, PRESS FIT, REAM TYPE		



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