

FED. SUPPLY CLASS

5365

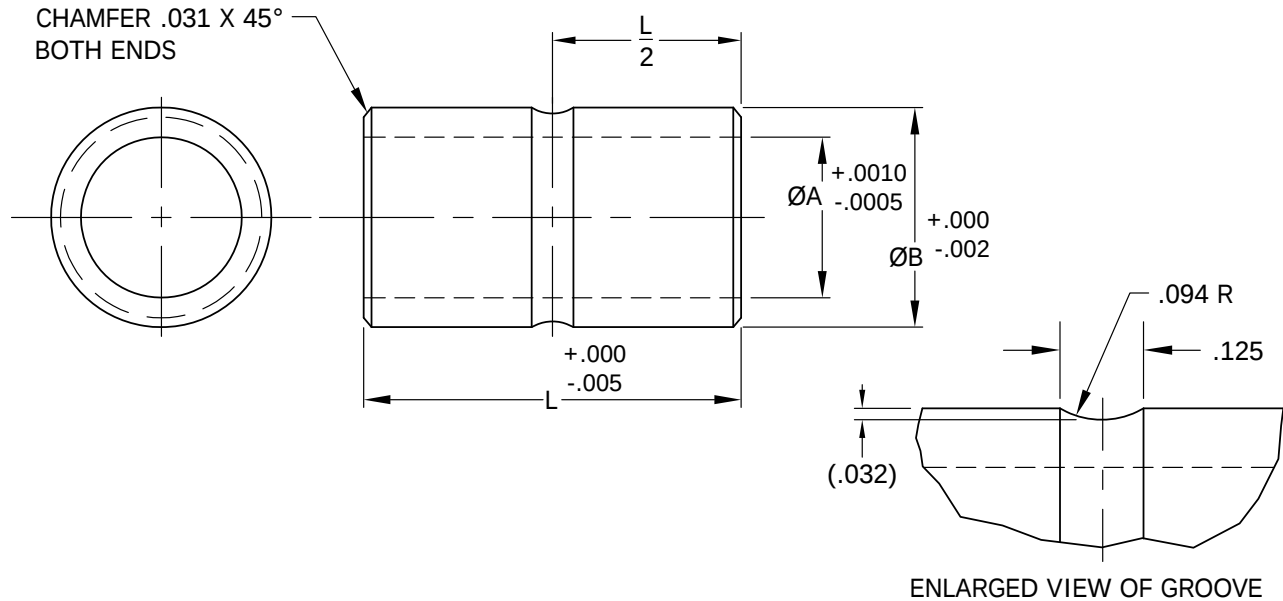


TABLE I – SIZE

SIZE DASH NO.	ØA	ØB	WEIGHT LBS/IN. OF LENGTH
3	.190	.373	.024
4	.250	.4355	.030
5	.3125	.498	.035
6	.375	.5605	.041
7	.4375	.623	.046
8	.500	.6855	.052
9	.5625	.748	.057
10	.625	.873	.088
12	.750	.998	.103
14	.875	1.123	.118
16	1.000	1.248	.139

TABLE II – LENGTHS AND DASH NUMBERS

LENGTH DASH NO.	L	LENGTH DASH NO.	L	LENGTH DASH NO.	L	LENGTH DASH NO.	L
-	-	100	1.010	200	2.010	300	3.010
-	-	101	1.072	201	2.072	301	3.072
002	.135	102	1.135	202	2.135	302	3.135
003	.197	103	1.197	203	2.197	303	3.197
004	.260	104	1.260	204	2.260	304	3.260
005	.322	105	1.322	205	2.322	305	3.322
006	.385	106	1.385	206	2.385	306	3.385
007	.447	107	1.447	207	2.447	307	3.447
008	.510	108	1.510	208	2.510	308	3.510
009	.572	109	1.572	209	2.572	309	3.572
010	.635	110	1.635	210	2.635	310	3.635
011	.697	111	1.697	211	2.697	311	3.697
012	.760	112	1.760	212	2.760	312	3.760
013	.822	113	1.822	213	2.822	313	3.822
014	.885	114	1.885	214	2.885	314	3.885
015	.947	115	1.947	215	2.947	315	3.947

7

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE.

REVISION DATE: JUNE 30, 2014

ISSUE DATE: NOVEMBER 1942

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 7
PROCUREMENT SPECIFICATION NONE	TITLE BUSHING, CLAMP-UP, BRONZE	CLASSIFICATION PART STANDARD
		NAS74 SHEET 1 OF 2

MATERIAL: ALUMINUM-SILICON BRONZE ALLOY (UNS C64200) PER ASTM B150/B150M, CONDITION HR50 (TENSILE TEST, CERTIFICATION AND MILL TEST REPORTS REQUIRED). ~~ALUMINUM-BRONZE BAR, PER SPEC. MIL-B-6946.~~

FINISH: CADMIUM PLATE PER SPEC. AMS-QQ-P-416, TYPE II, CLASS 2. IN ADDITION, CADMIUM PLATED BRONZE BUSHINGS ARE TO BE DYED A LIGHT YELLOW COLOR WHICH WILL NOT RUB OFF OR BE SMEARED BY CONTACT INCIDENTAL TO HANDLING AND SERVICE AND SHALL NOT BE INJURIOUS TO THE MATERIAL. ~~CADMIUM-PLATED PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 30 NOVEMBER 1975.~~

CODE: LETTER "A" FOLLOWING THE BASIC PART NUMBER DESIGNATES ALUMINUM-SILICON BRONZE MATERIAL. FIRST DASH NUMBER DESIGNATES SIZE AS SHOWN IN TABLE I. SECOND DASH NUMBER DESIGNATES LENGTH AS SHOWN IN TABLE II. FOR BUSHING LENGTHS .375 AND LONGER, LETTER "E" AFTER FIRST DASH NUMBER DESIGNATES BUSHING WITHOUT GROOVE. LETTER "P" AFTER SECOND DASH NUMBER INDICATES CADMIUM PLATE.

EXAMPLE OF PART NUMBER:

NAS74A8-012 = BUSHING .500 I.D. X .760 LONG WITH GROOVE.
NAS74A8E012 = BUSHING .500 I.D. X .760 LONG WITHOUT GROOVE.
NAS74A8-012P = BUSHING .500 I.D. X .760 LONG WITH GROOVE, CADMIUM PLATED.

NOTES:

- (1) BUSHINGS UNDER .375 IN LENGTH SHALL NOT BE GROOVED.
- (2) ØA AND ØB TO BE PARALLEL AND CONCENTRIC WITHIN .003 FULL INDICATOR MOVEMENT.
- (3) REMOVE ALL BURRS AND BREAK SHARP EDGES .016.
- (4) THESE BUSHINGS NOT INTENDED FOR REAMING AT ASSEMBLY.
- (5) THESE BUSHINGS ARE DESIGNED FOR CLAMPING TO THE SHAFT, WITH RELATIVE MOTION OCCURRING ON ØB ONLY.
- (6) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- ⑦ (7) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (8) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (9) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (10) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS $\pm .010$, ANGLES $\pm 5^\circ$.
- ⑦ (11) SURFACE ROUGHNESS: "ØB": 63 MICROINCHES Ra; ALL OTHER SURFACES: 125 MICROINCHES Ra PER ASME B46.1.
- ⑦ (12) DIMENSIONING AND TOLERANCING PER ANSI 14.5M-1982.

REVISION

7



NAS74
SHEET 2

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