

FED. SUPPLY CLASS

5365

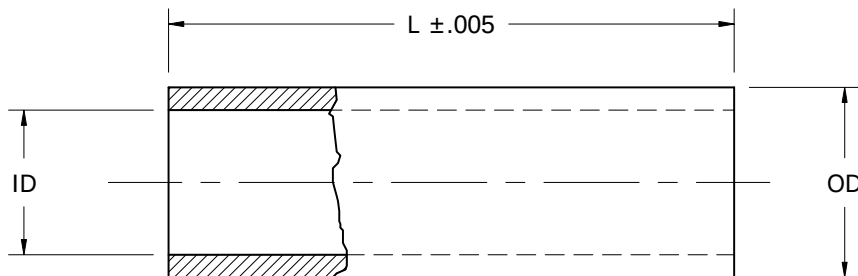


TABLE I – DIMENSIONS

DIA DASH NO.	SCREW OR BOLT DIA (REF)	OD		ID	
		MIN	MAX	MIN	MAX
0	.112	.178	.198	.115	.148
1	.138	.240	.260	.143	.172
2	.164	.240	.260	.169	.172
3	.164 & .190	.302	.322	.194	.234
4	.250	.365	.385	.256	.297
5	.313	.428	.448	.320	.360
6	.375	.485	.515	.377	.427
7	.438	.548	.578	.440	.490
8	.500	.610	.640	.517	.567
9	.562	.672	.702	.564	.614
10	.625	.735	.765	.627	.677
12	.750	.860	.890	.752	.802
14	.875	.985	1.015	.877	.927
16	1.000	1.110	1.140	1.002	1.052

/1/

MATERIAL:

2024-T3 ALUMINUM ALLOY TUBING PER AMS-WW-T-700/3, TYPE I.
 2024-T4 ALUMINUM ALLOY WIRE OR ROD PER AMS-QQ-A-225/6.
 4130 ALLOY STEEL TUBING PER AMS-T-6736, TYPE I, HT 125 AMS6361.
 8630 ALLOY STEEL TUBING PER AMS-S-6758, COND F.
 4130 ALLOY STEEL BAR PER AMS-S-6758, COND F.
 8630 ALLOY STEEL BAR PER MIL-S-6050, COND F.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS2759 FOR ALLOY STEEL:
 2024-T ALUMINUM ALLOY: 62 KSI MIN.
 HEAT TREATED ALLOY STEEL: 125-145 KSI.

⑫ COMPLETELY REVISED

THIRD ANGLE PROJECTION		CUSTODIAN		REVISION	
		NATIONAL AEROSPACE STANDARDS COMMITTEE		12	
PROCUREMENT SPECIFICATION	NONE	TITLE		CLASSIFICATION PART STANDARD	
		SPACER, SLEEVE, SCREW AND BOLT		NAS 43	



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FINISH:

2024-T ALUMINUM ALLOY: GREY ANODIZE PER MIL-A-8625, TYPE I OR
CHEMICAL FILM PER MIL-DTL-5541, CLASS 1A, DYED BLUE (SEE CODE).
ALLOY STEEL: CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2, DYED TO AN IRIDESCENT
BRONZE COLOR. THE SALT SPRAY REQUIREMENT AND TESTS SHALL NOT APPLY.

CODE:

THE PART NUMBER SHALL CONSIST OF THE BASIC PART NUMBER, MATERIAL CODE, DIAMETER DASH
NUMBER, LENGTH DASH NUMBER, AND FINISH CODE.

MATERIAL CODE:

"DD" FOR 2024-T ALUMINUM ALLOY SPACERS

"HT" FOR ALLOY STEEL SPACERS

LENGTH DASH NUMBER: SECOND DASH NUMBER DESIGNATES LENGTH IN 1/64 INCH INCREMENTS.

FINISH CODE:

"N" FOR 2024-T ALUMINUM WITH GREY ANODIZE

"FC" FOR 2024-T ALUMINUM WITH CHEMICAL FILM

"A" FOR SPACERS WITH NO FINISH /5/

EXAMPLES OF PART NUMBER:

NAS43DD4-8FC = 2024-T ALUMINUM ALLOY SPACER .365-.385 OD x .256-.297 ID x .125 LONG, FOR
Ø.250 BOLT, WITH CHEMICAL FILM FINISH.

NAS43HT4-8 = ALLOY STEEL SPACER .365-.385 OD x .256-.297 ID x .125 LONG, FOR Ø.250 BOLT,
WITH CADMIUM PLATE FINISH.

NOTES:

- /1/ "-2" INACTIVE FOR DESIGN AFTER 1 NOV. 1945. LOW CARBON STEEL SPACERS INACTIVE FOR
DESIGN AFTER 15 NOV. 1952. NORMALIZED ALLOY SPACERS INACTIVE FOR DESIGN AFTER 15 AUG.
1962. USE ACTIVE NAS43 SPACERS IN DESIGN. FOR DESCRIPTION OF STATUS NOTES SEE NAS380.
- (2) REMOVE ALL BURRS AND BREAK SHARP EDGES .005 MAX.
- (3) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (4) TUBING, WIRE OR ROD STOCK OPTIONAL. DRILL TUBING IF NECESSARY TO MEET ID SPECIFIED.
- /5/ FOR UNFINISHED ALLOY STEEL (FINISH CODE "A") APPLY A LIGHT, HIGH GRADE MACHINE OIL PRIOR
TO SHIPPING.
- (6) SURFACE ROUGHNESS SHALL NOT EXCEED 125 MICROINCHES Ra PER ASME B46.1.
- (7) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF
THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS
DEPLETED.

(12) COMPLETELY REVISED

REVISION

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Documents

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