



INACTIVE FOR NEW DESIGN  
SUPERSEDED BY MIL-B-81934/2

DASH NO.	NOMINAL SIZE	B DIA +.0000 -.0010	D, DIA (a)	F +.000 -.005	H DIA +.000 -.020	WEIGHT LB/IN. (REP) L = 1.000		FLANGE WEIGHT LBS/IN	
						AL	CRES	AL	CRES
-04	1/4	.2515	.3760	.0625	.750	.009	.024	.003	.007
-05	5/16	.3140	.4386	.0625	.812	.011	.028		
-06	3/8	.3765	.5012	.0625	.875	.012	.032		
-07	7/16	.4390	.5638	.0625	.937	.013	.036	.004	.010
-08	1/2	.5015	.6265	.0625	1.000	.015	.041		
-09	9/16	.5640	.6892	.0625	1.125	.017	.047		
-10	5/8	.6265	.8142	.0625	1.250	.027	.075	.005	.014
-11	11/16	.6890	.8767	.0625	1.375	.030	.084	.007	.020
-12	3/4	.7515	.9393	.0625	1.500	.034	.099	.009	.023
-14	7/8	.8765	1.0645	.0625	1.625	.038	.104	.010	.027
-16	1	1.0015	1.1898	.0625	1.750	.043	.118		
-18	1 1/8	1.1265	1.3148	.0937	1.875	.051	.142	.014	.041
-20	1 1/4	1.2515	1.4398	.0937	2.000	.058	.161	.018	.050
-22	1 3/8	1.3765	1.5648	.0937	2.125	.063	.175	.019	.053
-24	1 1/2	1.5015	1.7523	.0937	2.250	.084	.233		
-26	1 5/8	1.6265	1.8773	.0937	2.375	.090	.249	.020	.056
-28	1 3/4	1.7515	2.0023	.0937	2.500	.098	.273	.023	.064
-32	2	2.0015	2.2523	.0937	2.750	.111	.306	.026	.072

(a) D TOLERANCE: ALUMINUM,  $\pm .0005$ ; CORROSION RESISTANT STEEL,  $+.0000$ ,  $-.0005$ .

TABLE II SEE SHEET 3

DASH NO	NOMINAL SIZE	LENGTH L +.000 -.010																							
		1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 5/8	3	
-04	1/4	08	09	10	11	12	14																		
-05	5/16	08	09	10	11	12	14	16	18																
-06	3/8	08	09	10	11	12	14	16	18																
-07	7/16	08	09	10	11	12	14	16	18	20	22	24	28												
-08	1/2	08	09	10	11	12	14	16	18	20	22	24	28												
-09	9/16	08	09	10	11	12	14	16	18	20	22	24	28	32	36										
-10	5/8	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44								
-11	11/16	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52						
-12	3/4	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52						
-14	7/8	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52						
-16	1	08	09	10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60				
-18	1 1/8			10	11	12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60				
-20	1 1/4				12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68			
-22	1 3/8				12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68			
-24	1 1/2				12	14	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
-26	1 5/8					16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88
-28	1 3/4					16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88
-32	2					16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	88

P.A. Navy - AS	TITLE	MILITARY STANDARD
Other Com	BEARING, SLEEVE, FLANGED, TFE LINED	MS21241(ASG)
USAF - 11		
PROCUREMENT SPECIFICATION	SUPERSEDED	SHEET 1 OF 3
MIL-B-0941 (ASG)		

DD FORM 672-1 (limited coordination)  
AND use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PROJECT NO. 3120-0518

This military standard is approved by the Department of the Air Force and the Naval Air Systems Command and is mandatory for use by these activities. All other military activities are required to employ this standard where suitable.

Review activities:

USAF - 99

APPROVED 10 Aug 1966 REVISED 5 Dec 66 B 10 Apr 67 C 28 Mar 69 D 16 Aug 1977

FED. SUP CLASS  
3120

TABLE III (a)						
DASH NO.	WEIGHT LBS.					
	ALUMINUM			GRES		
04	.003	+ .006	X LENGTH	.007	+ .017	X LENGTH
05		+ .008			+ .022	
06		+ .009			+ .025	
07		+ .010			+ .028	
08	.004	+ .011		.010	+ .031	
09		+ .013			+ .036	
10	.005	+ .022		.014	+ .061	
11	.007	+ .023		.020	+ .064	
12	.009	+ .025		.023	+ .070	
14		+ .029			+ .080	
16	.010	+ .033		.027	+ .091	
18	.014	+ .037		.041	+ .101	
20	.018	+ .040		.050	+ .111	
22	.019	+ .044		.053	+ .122	
24		+ .065			+ .179	
26	.020	+ .070		.056	+ .193	
28	.023	+ .075		.064	+ .207	
32	.026	+ .085		.072	+ .234	

(a) EXAMPLE OF WEIGHT CALCULATION:  
 $MS21241-16A08 = .010 + .033 \times .5 = .010 + .0165 = .0265 \text{ LBS.}$

## MATERIAL: CODE

BEARING: "A" = ALUMINUM ALLOY, QQ-A-200/11, QQ-A-225/9

"C" = CORROSION RESISTANT STEEL, AMS 5643 (17-4PH), AISI 410 OR 416

## LINER: SEE PROCUREMENT SPECIFICATION

HARDNESS: 17-4PH CORD H-1150 AS PER MIL-H-6875

410, 416 Rc 27-32 AS PER MIL-H-6875

## FINISH:

ALUMINUM TO BE ANODIZED PER MIL-A-8625.

## SURFACE FINISH:

SMOOTH MACHINE FINISH 63 MICRO-INCH PER RER ON O.D. 125 MICRO-INCH RER ON ALL OTHER SURFACES, PER ASA B46.1 - 1962, UNLESS OTHERWISE SPECIFIED.

## TEMPERATURE RANGE:

-65° F TO +250° F

BREAK SHARP EDGES AND CORNERS AND REMOVE ALL BURRS AND SLIVERS.

DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

## EXAMPLE OF PART NUMBER:

c  $MS21241 - 04 A 008 = 1/4 \text{ INCH BORE DIA ALUMINUM } \times 1/4 \text{ LONG.}$

LENGTH CODE IN MULTIPLES OF 1/32 INCH

MATERIAL CODE

BORE DIAMETER CODE IN MULTIPLES OF 1/16 INCH

BASIC MS PART NUMBER

## STATUS NOTE:

REVISION "A" AND REVISION "B" ARE CANCELLED AND SUPERSEDED BY REVISION "C" AFTER 28 MARCH 1969.

## INTERCHANGEABILITY RELATIONSHIP:

USE ONLY ASSIGNED PART NUMBERS FOR LENGTH AS LISTED IN COLUMN 3 OF TABLE IV.

## LOAD RATINGS:

DYNAMIC CAPACITY 25,000 B X L LBS. OR 25,000 B<sup>2</sup> LB. WHICHEVER IS THE LESSER.STATIC LIMIT LOAD 60,000 B X L LBS. OR 60,000 B<sup>2</sup> LB. WHICHEVER IS THE LESSER.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF NO EFFECT OF DATE OF INVITATIONS FOR BID.

P.A.	Navy - AS	TITLE	MILITARY STANDARD
Other Code	USAF - 11	BEARING, SLEEVE, FLANGED, TYPE LINK	MS21241 (ASG)
PROCUREMENT SPECIFICATION MIL-B-8943(ASG)	SUPERSEDED	SHEET 2 OF	

DD FORM 672-1 (Limited circulation)  
1 SEP 57  
AMU USE ONLY

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 10 AUG 66 REVISED (S) FOR CHANGES SEE SHEETS 1, 2, 3

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Review activities  
USAF - 99

FED. SUP CLASS  
3120TABLE IV  
INTERCHANGEABILITY (SEE STATUS NOTE)

LENGTH FROM TABLE II	COLUMN 1	COLUMN 2	COLUMN 3
	REV. A DATED 5 DEC 1966 (LENGTH IN 1/16 INCREMENTS)	REV. B DATED 10 APR 1967 (LENGTH IN 1/32 INCREMENTS)	REV. C (LENGTH IN 1/32 INCREMENTS)
1/4	04	08	008
9/32	—	09	009
5/16	05	10	010
11/32	—	11	011
3/8	06	12	012
7/16	—	14	014
1/2	08	16	016
9/16	—	18	018
5/8	10	20	020
11/16	—	22	022
3/4	12	24	024
7/8	—	28	028
1	16	32	032
1 1/8	—	36	036
1 1/4	20	40	040
1 3/8	—	44	044
1 1/2	24	48	048
1 5/8	—	52	052
1 3/4	28	56	056
1 7/8	—	60	060
2	32	64	064
2 1/8	—	68	068
2 1/4	36	72	072
2 3/8	—	76	076
2 1/2	40	80	080
2 3/4	—	88	088
3	48	96	096

Review activities!  
USAF - 99

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P.A. Navy - AS	TITLE	MILITARY STANDARD
Other Com	BEARING, SLEEVE, FLANGED, TPE LINED	MS21241 (ASG)
USAF - 11		
PROCUREMENT SPECIFICATION MIL-B-8943 (ASG)	SUPERSEDES	SHEET 3 OF

DD FORM 672-1 (Limited coordination)  
AND use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 10 AUG 1966 REVISED (D) FOR CHANGES SEE SHEETS 1.