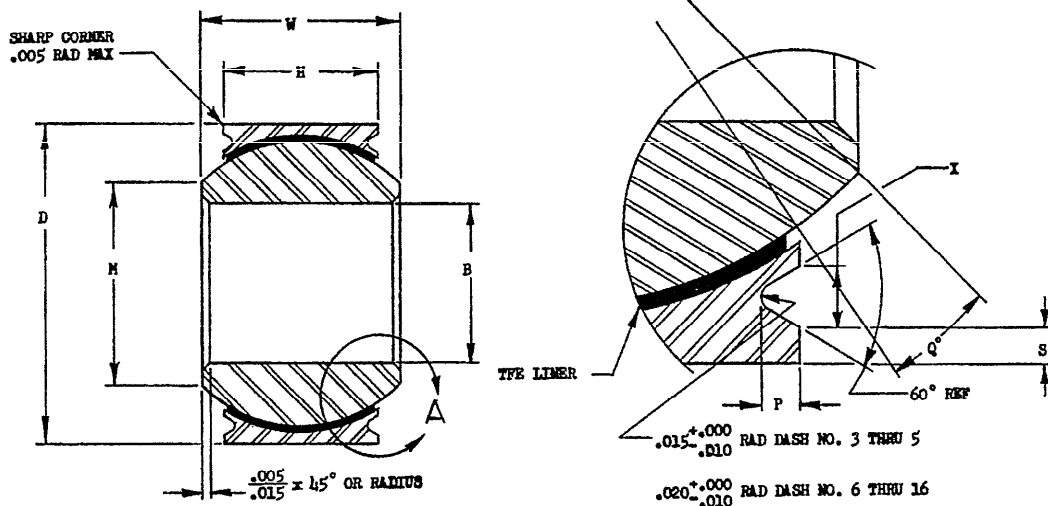


FED. SUP CLASS  
3120

DETAIL A

(B)

DASH NO	B +.0000 -.0005	D +.0000 -.0005	H +.005	M MIN	P +.000 -.015	Q MIN	S +.000 -.010	W +.000 -.002	X +.000 -.010	STATIC LIMIT LOAD		OSCILLATING LOAD LB	NO LOAD BREAKAWAY TORQUE IN LB	WT LB MAX
										RADIAL LB	AXIAL LB			
3	.1900	.6250	.327	.300		15				9000	1770	3770	.5-5	.031
4	.2500				.030		.020	.437	.045	9400	1640	4650		.035
5	.3125	.6875	.317	.360		14				13700	2630	6390		.060
6	.3750	.8125	.406	.466		8		.500		20700	3650	9390		.080
7	.4375	.9375	.442	.537		10		.562		20700	3650	9390		.090
7A	.4375	.9062	.442	.537	.040	10	.030	.562	.055	27500	4970	12150	1-5	.100
8	.5000	1.0000	.505	.607		9		.625		34400	5370	14900		.135
9	.5625	1.1250	.536	.721		10		.687		39000	6130	16700		.160
10	.6250	1.1875	.567	.747		12		.750		52300	7730	22100		.240
12	.7500	1.3750	.630	.845		13		.875		67300	10800	28200		.350
14	.8750	1.6250	.755	.995	.060	6		.875	.080	137000	19300	53700	2-8	.970
16	1.0000	2.1250	1.005	1.269		12		1.375						

MATERIAL: BALL 440C AMS 5630

OUTER RING AMS 5643 (17-4PH), AMS 5528 (17-7PH), AISI 410

LINER - SEE PROCUREMENT SPECIFICATION.

FINISH: SURFACE FINISH BALL DIA RHR 8 MAX: BORE, BALL FACE, AND OUTER RACE DIA RHR 32 MAX: ALL OTHER RHR 125 MAX.

HARDNESS: BALL 55-62 Rc OUTER RING Rc 23 MIN Rc 35 MAX.

NOTES: DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS  $\pm$  .010 ANGLES  $\pm$  1/2°  
BREAK SHARP EDGES AND CORNERS AND REMOVE ALL BURRS AND SLIVERS UNLESS NOTED.

DASH NUMBER DESIGNATES NOMINAL BORE DIAMETER IN SIXTEENTHS OF AN INCH.

EXAMPLE OF PART NO. MS21230-7 = 7/16 BORE

WHEN TESTED IN DE-ICING FLUID THE OSCILLATING LOAD SHALL BE DECREASED TO 80%.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.  
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

This military standard is approved by the Department of the Air Force and the Navy 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:  
NAVY - AS  
USAF - 11, 84

P.A. NAVY - AS  
Other Cust  
USAF - 11

TITLE

BEARING, PLAIN, SELF - ALIGNING, GROOVED OUTER RING  
TFE LINED, WIDE

PROCUREMENT SPECIFICATION  
MIL-B-8942

SUPERSEDES:

MILITARY STANDARD

MS21230(ASG)

SHEET 1 OF 1

DD FORM 672-1 (limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U.S. GOVERNMENT PRINTING OFFICE: 1967-301-519-708

APPROVED 16 Mar 64 REVISED 15 Nov 65 3 Aug 67