

FEDERAL SUPPLY CLASS
3120

RATIONALE

TO MAKE DOCUMENT CONSISTENT WITH AS81820/1-4 AND AS81820, REMOVING CHROME PLATING AS AN OPTION. REMOVING AMS2700, METHOD 1, TYPE 8 PASSIVATION AS AN OPTION IN THE FUTURE FOR 440C.

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AS14103™

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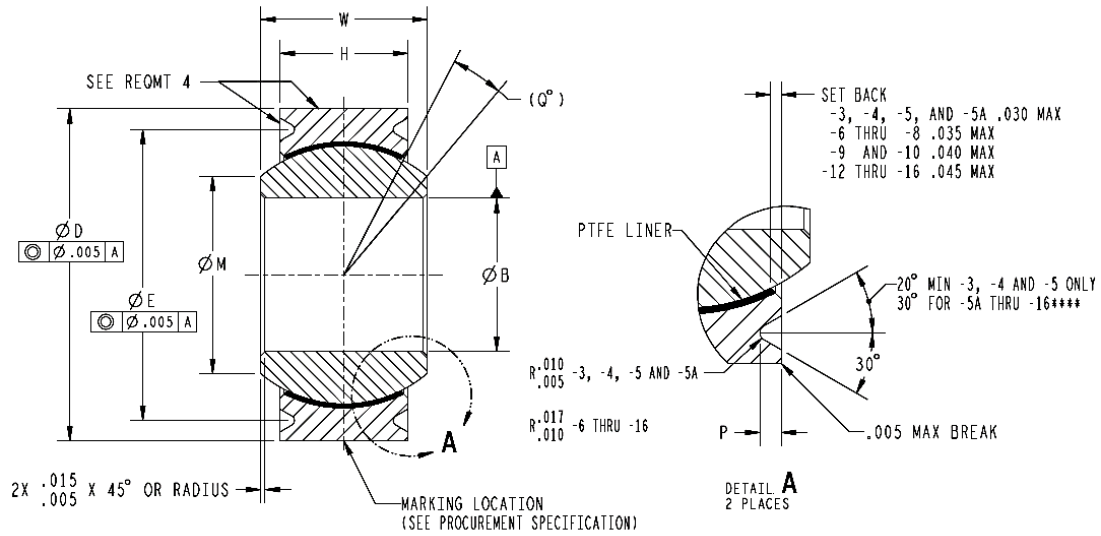


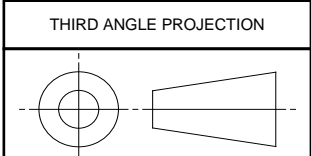
FIGURE 1 - PART CONFIGURATION

TABLE 1 - DIMENSIONS AND STRENGTHS

PART NO.***	φB +.0000 -.0005	φD** +.0000 -.0005	H** ±.005	φM	P +.000 -.010	Q° (REF)	W +.000 -.002	φE +.000 -.008	STATIC LIMIT LOAD		OSCILLATING LOAD LB	NO-LOAD ROTATIONAL BREAKAWAY TORQUE IN-LB		WT LB MAX (REF)
									RADIAL LB	AXIAL LB		STANDARD	* "K" TYPE	
MS14103- 3	.1900	.6250	.327	.300	.025	15	.437	.563	2500	1770	4900	.25-5.0	0-.5	.031
MS14103- 4	.2500	.6250	.327	.300	.025	15	.437	.563	5500	1770	4900	.25-5.0	0-.5	.031
MS14103- 5	.3125	.6875	.317	.360	.025	14	.437	.625	9400	1640	6050	.25-8.0	0-1.0	.035
MS14103- 6	.3750	.8125	.406	.466	.035	8	.500	.712	13700	2630	8310	.25-8.0	0-1.0	.060
MS14103- 7	.4375	.9375	.442	.537	.035	10	.562	.837	20700	3650	11750	.25-8.0	0-1.0	.080
MS14103- 7A	.4375	.9062	.442	.537	.035	10	.562	.806	19700	3650	11750	.25-8.0	0-1.0	.080
MS14103- 8	.5000	1.0000	.505	.607	.035	9	.625	.900	21400	4970	14950	.25-8.0	0-1.0	.100
MS14103- 9	.5625	1.1250	.536	.721	.035	10	.687	1.025	26600	5370	18100	.25-8.0	0-1.0	.135
MS14103-10	.6250	1.1875	.567	.747	.035	12	.750	1.087	29000	6130	20250	.25-8.0	0-1.0	.160
MS14103-12	.7500	1.3750	.630	.845	.055	13	.875	1.251	37000	7730	26200	.25-8.0	0-1.0	.240
MS14103-14	.8750	1.6250	.755	.995	.055	6	.875	1.501	65200	10800	33600	.25-12.0	0-2.0	.350
MS14103-16	1.0000	2.1250	1.005	1.269	.055	12	1.375	2.001	104000	19300	56250	.25-12.0	0-2.0	.970

* SEE REQUIREMENT 5 "NO-LOAD TORQUE" AND NOTE 8.
 ** SEE NOTE 7.
 *** FOR TYPE A BEARINGS, THE CORRESPONDING PART NUMBER WILL HAVE AN "A" DESIGNATION AFTER THE MS PART NUMBER (E.G., MS14103A-3).

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CUSTODIAN: AIRFRAME CONTROL BEARINGS GROUP

PROCUREMENT SPECIFICATION: AS81820



AEROSPACE STANDARD

(R) BEARING, PLAIN, SELF-LUBRICATING, SELF-ALIGNING, LOW SPEED, WIDE, GROOVED RACE, -65 TO +325 °F

AS14103™
SHEET 1 OF 3

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ISSUED 1977-08 REVISED 2018-05