

REV.  
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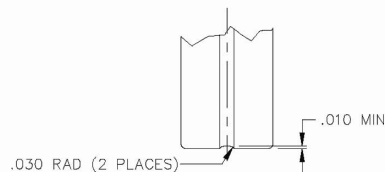
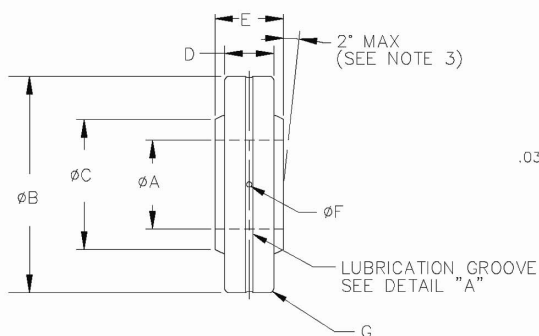
AS28915

## NOTICE

FEDERAL SUPPLY CLASS  
3110

THIS DOCUMENT INCLUDES CADMIUM AS A PLATING MATERIAL. THE USE OF CADMIUM HAS BEEN RESTRICTED AND/OR BANNED FOR USE IN MANY COUNTRIES DUE TO ENVIRONMENTAL AND HEALTH CONCERNS. THE USER SHOULD CONSULT WITH LOCAL OFFICIALS ON APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS REGARDING ITS USE.

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: SAE AS8914.



DETAIL "A"

MS PART NO.	WT. MAX. LBS.	STATIC LIMIT LOAD - LBS		DYNAMIC LOAD RATING - LBS	
		RADIAL	AXIAL	RADIAL	AXIAL
-16C	0.16	3500	440	1700	213
-20C	0.19	4800	490	2230	254
-25C	0.41	8000	540	2750	248
-28C	0.49	9000	890	4320	427
-33C	0.54	10200	950	5250	489
-37C	0.58	10900	980	5850	526
-47C	0.75	12800	1070	8210	686
-49C	0.78	13700	1150	8980	754

MS DASH No.		ØA		ØB		ØC		D		E		ØF		G		NUMBER OF LUBRICATION HOLES		
		+0.000 -0.011	(0.000) (0.028)	+0.000 -0.011	(0.000) (0.028)	+0.005 -0.005	(0.127) (0.127)	+0.000 -0.005	(0.000) (0.127)	+0.000 -0.005	(0.000) (0.127)	LUBRICATION HOLE		+0.020 -0.000	(0.508) (0.000)			
		BORE *1 *2		O.D. *3		DIAMETER		WIDTH		WIDTH		RADIUS						
		IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)			
-16C		10000	(25.400)	16250	(41.275)	1120	(28.450)	.450	(11.430)	.500	(12.700)					2		
-20C		12500	(31.750)	18750	(47.625)	1390	(35.310)											
-25C		15630	(39.700)	23000	(58.425)	1800	(45.720)											
-28C		17500	(44.450)	26880	(68.275)	1980	(50.290)											
-33C		20630	(52.400)	30000	(76.200)	2300	(58.420)	.580	(14.730)	.670	(17.020)	.060 (1524)		.020 (0.508)		3		
-37C		23130	(58.750)	32600	(82.550)	2560	(65.020)											
-47C		29380	(74.625)	39750	(100.938)	3200	(81.280)											
-49C		30630	(77.800)	40000	(101.600)	3330	(84.580)											
BEARING ROUNDNESS LIMITS																		
BASIC (NOMINAL) DIAMETER		BORE ACCEPTANCE LIMITS						O.D. ACCEPTANCE LIMITS										
		d MIN.		MEAN DIAMETER				d MAX.		D MIN.		MEAN DIAMETER				D MAX.		
				LOW		HIGH						LOW		HIGH				
OVER	INCL.	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	
.0000	(0.000)	10000	(25.400)	-.0008	(0.020)	-.0005	(0.013)	+.0000	(0.000)	+.0003	(0.008)	-----	-----	-----	-----	-----	-----	
10000	(25.400)	20000	(50.800)	-.0011	(0.028)	-.0008	(0.020)	+.0000	(0.000)	+.0003	(0.008)	-.0020	(0.051)	-.0010	(0.025)	+.0000	(0.000)	
20000	(50.800)	40000	(101.600)	-.0014	(0.036)	-.0011	(0.028)	+.0000	(0.000)	+.0003	(0.008)	-.0021	(0.054)	-.0011	(0.028)	+.0000	(0.000)	
40000	(101.600)	60000	(152.400)	-.0017	(0.043)	-.0014	(0.036)	+.0000	(0.000)	+.0003	(0.008)	-.0022	(0.056)	-.0012	(0.030)	+.0000	(0.000)	
60000	(152.400)	80000	(203.200)	-.0019	(0.048)	-.0016	(0.040)	+.0000	(0.000)	+.0003	(0.008)	-.0023	(0.058)	-.0013	(0.033)	+.0000	(0.000)	
80000	(203.200)	100000	(254.000)	-.0020	(0.051)	-.0017	(0.043)	+.0000	(0.000)	+.0003	(0.008)	-.0024	(0.061)	-.0014	(0.035)	+.0000	(0.000)	
100000	(254.000)	120000	(304.800)	-.0021	(0.053)	-.0018	(0.046)	+.0000	(0.000)	+.0003	(0.008)	-.0025	(0.063)	-.0015	(0.038)	+.0000	(0.000)	
120000	(304.800)	140000	(355.600)	-.0022	(0.056)	-.0019	(0.048)	+.0000	(0.000)	+.0003	(0.008)	-.0026	(0.066)	-.0016	(0.041)	+.0000	(0.000)	
140000	(355.600)	160000	(406.400)	-.0023	(0.058)	-.0020	(0.051)	+.0000	(0.000)	+.0003	(0.008)	-.0027	(0.069)	-.0017	(0.044)	+.0000	(0.000)	
160000	(406.400)	180000	(457.200)	-.0024	(0.061)	-.0021	(0.054)	+.0000	(0.000)	+.0003	(0.008)	-.0028	(0.071)	-.0018	(0.046)	+.0000	(0.000)	
180000	(457.200)	200000	(508.000)	-.0025	(0.063)	-.0022	(0.056)	+.0000	(0.000)	+.0003	(0.008)	-.0029	(0.074)	-.0019	(0.049)	+.0000	(0.000)	
200000	(508.000)	220000	(558.800)	-.0026	(0.066)	-.0023	(0.059)	+.0000	(0.000)	+.0003	(0.008)	-.0030	(0.076)	-.0020	(0.051)	+.0000	(0.000)	
220000	(558.800)	240000	(609.600)	-.0027	(0.069)	-.0024	(0.061)	+.0000	(0.000)	+.0003	(0.008)	-.0031	(0.079)	-.0021	(0.054)	+.0000	(0.000)	
240000	(609.600)	260000	(660.400)	-.0028	(0.071)	-.0025	(0.064)	+.0000	(0.000)	+.0003	(0.008)	-.0032	(0.081)	-.0022	(0.056)	+.0000	(0.000)	
260000	(660.400)	280000	(711.200)	-.0029	(0.074)	-.0026	(0.066)	+.0000	(0.000)	+.0003	(0.008)	-.0033	(0.084)	-.0023	(0.059)	+.0000	(0.000)	
280000	(711.200)	300000	(762.000)	-.0030	(0.076)	-.0027	(0.069)	+.0000	(0.000)	+.0003	(0.008)	-.0034	(0.086)	-.0024	(0.061)	+.0000	(0.000)	
300000	(762.000)	320000	(812.800)	-.0031	(0.079)	-.0028	(0.071)	+.0000	(0.000)	+.0003	(0.008)	-.0035	(0.089)	-.0025	(0.064)	+.0000	(0.000)	
320000	(812.800)	340000	(863.600)	-.0032	(0.081)	-.0029	(0.074)	+.0000	(0.000)	+.0003	(0.008)	-.0036	(0.091)	-.0026	(0.066)	+.0000	(0.000)	
340000	(863.600)	360000	(914.400)	-.0033	(0.084)	-.0030	(0.076)	+.0000	(0.000)	+.0003	(0.008)	-.0037	(0.094)	-.0027	(0.069)	+.0000	(0.000)	
360000	(914.400)	380000	(965.200)	-.0034	(0.086)	-.0031	(0.079)	+.0000	(0.000)	+.0003	(0.008)	-.0038	(0.096)	-.0028	(0.071)	+.0000	(0.000)	
380000	(965.200)	400000	(1016.000)	-.0035	(0.089)	-.0032	(0.081)	+.0000	(0.000)	+.0003	(0.008)	-.0039	(0.099)	-.0029	(0.074)	+.0000	(0.000)	
400000	(1016.000)	420000	(1066.800)	-.0036	(0.091)	-.0033	(0.084)	+.0000	(0.000)	+.0003	(0.008)	-.0040	(0.101)	-.0030	(0.076)	+.0000	(0.000)	
420000	(1066.800)	440000	(1117.600)	-.0037	(0.094)	-.0034	(0.086)	+.0000	(0.000)	+.0003	(0.008)	-.0041	(0.104)	-.0031	(0.079)	+.0000	(0.000)	
440000	(1117.600)	460000	(1168.400)	-.0038	(0.096)	-.0035	(0.089)	+.0000	(0.000)	+.0003	(0.008)	-.0042	(0.106)	-.0032	(0.081)	+.0000	(0.000)	
460000	(1168.400)	480000	(1219.200)	-.0039	(0.099)	-.0036	(0.091)	+.0000	(0.000)	+.0003	(0.008)	-.0043	(0.109)	-.0033	(0.084)	+.0000	(0.000)	
480000	(1219.200)	500000	(1270.000)	-.0040	(0.101)	-.0037	(0.094)	+.0000	(0.000)	+.0003	(0.008)	-.0044	(0.111)	-.0034	(0.086)	+.0000	(0.000)	
500000	(1270.000)	520000	(1320.800)	-.0041	(0.104)	-.0038	(0.096)	+.0000	(0.000)	+.0003	(0.008)	-.0045	(0.114)	-.0035	(0.089)	+.0000	(0.000)	
520000	(1320.800)	540000	(1371.600)	-.0042	(0.106)	-.0039	(0.099)	+.0000	(0.000)	+.0003	(0.008)	-.0046	(0.116)	-.0036	(0.091)	+.0000	(0.000)	
540000	(1371.600)	560000	(1422.400)	-.0043	(0.109)	-.0040	(0.101)	+.0000	(0.000)	+.0003	(0.008)	-.0047	(0.119)	-.0037	(0.094)	+.0000	(0.000)	
560000	(1422.400)	580000	(1473.200)	-.0044	(0.111)	-.0041	(0.104)	+.0000	(0.000)	+.0003	(0.008)	-.0048	(0.121)	-.0038	(0.096)	+.0000	(0.000)	
580000	(1473.200)	600000	(1524.000)	-.0045	(0.114)	-.0042	(0.106)	+.0000	(0.000)	+.0003	(0.008)	-.0049	(0.124)	-.0039	(0.099)	+.0000	(0.000)	
600000	(1524.000)	620000	(1574.800)	-.0046	(0.116)	-.0043	(0.109)	+.0000	(0.000)	+.0003	(0.008)	-.0050	(0.126)	-.0040	(0.101)	+.0000	(0.000)	
620000	(1574.800)	640000	(1625.600)	-.0047	(0.119)	-.0044	(0.111)	+.0000	(0.000)	+.0003	(0.008)	-.0051	(0.129)	-.0041	(0.104)	+.0000	(0.000)	
640000	(1625.600)	660000	(1676.400)	-.0048	(0.121)	-.0045	(0.114)	+.0000	(0.000)	+.0003	(0.008)	-.0052	(0.131)	-.0042	(0.106)	+.0000	(0.000)	
660000	(1676.400)	680000	(1727.200)	-.0049	(0.124)	-.0046	(0.116)	+.0000	(0.000)	+.0003	(0.008)	-.0053	(0.134)	-.0043	(0.109)	+.0000	(0.000)	
680000	(1727.200)	700000	(1778.000)	-.0050	(0.126)	-.0047	(0.119)	+.0000	(0.000)	+.0003	(0.008)	-.0054	(0.136)	-.0044	(0.111)	+.0000	(0.000)	
700000	(1778.000)	720000	(1828.800)	-.0051	(0.129)	-.0048	(0.121)	+.0000	(0.000)	+.0003	(0.008)	-.0055	(0.139)	-.0045	(0.114)	+.0000	(0.000)	
720000	(1828.800)	740000	(1879.600)	-.0052	(0.131)	-.0049	(0.124)	+.0000	(0.000)	+.0003	(0.008)	-.0056	(0.141)	-.0046	(0.116)	+.0000	(0.000)	
740000	(1879.600)	760000	(1930.400)	-.0053	(0.134)	-.0050	(0.126)	+.0000	(0.000)	+.0003	(0.008)	-.0057	(0.144)	-.0047	(0.119)	+.0000	(0.000)	
760000	(1930.400)	780000	(1981.200)	-.0054	(0.136)	-.0051	(0.129)	+.0000	(0.000)	+.0003	(0.008)	-.0058	(0.146)	-.0048	(0.121)	+.0000	(0.000)	
780000	(1981.200)	800000	(2032.000)	-.0055	(0.139)	-.0052	(0.131)	+.0000	(0.000)	+.0003	(0.008)	-.0059	(0.149)	-.0049	(0.124)	+.0000	(0.000)	
800000	(2032.000)	820000	(2082.800)	-.0056	(0.141)	-.0053	(0.134)	+.0000	(0.000)	+.0003	(0.008)	-.0060	(0.151)	-.0050	(0.126)	+.0000	(0.000)	
820000	(2082.800)	840000	(2133.600)	-.0057	(0.144)	-.0054	(0.136)	+.0000	(0.000)	+.0003	(0.008)	-.0061	(0.154)	-.0051	(0.129)	+.0000	(0.000)	
840000	(2133.600)	860000	(2184.400)	-.0058	(0.146)	-.0055	(0.139)	+.0000	(0.000)	+.0003	(0.008)	-.0062	(0.156)	-.0052	(0.131)	+.0000	(0.000)	
860000	(2184.400)	880000	(2235.200)	-.0059	(0.149)	-.0056	(0.141)	+.0000	(0.000)	+.0003	(0.008)	-.0063	(0.159)	-.0053	(0.134)	+.0000	(0.000)	
880000	(2235.200)	900000	(2286.000)	-.0060	(0.151)	-.0057	(0.144)	+.0000	(0.000)	+.0003	(0.008)	-.0064	(0.161)	-.0054	(0.136)	+.0000	(0.000)	
900000	(2286.000)	920000	(2336.800)	-.0061	(0.154)	-.0058	(0.146)	+.0000	(0.000)	+.0003	(0.008)	-.0065	(0.164)	-.0055	(0.139)	+.0000	(0.000)	
920000	(2336.800)	940000	(2387.600)	-.0062	(0.156)	-.0059	(0.149)	+.0000	(0.000)	+.0003	(0.008)	-.0066	(0.166)	-.0056	(0.141)	+.0000	(0.000)	
940000	(2387.600)	960000	(2438.400)	-.0063	(0.159)	-.0060	(0.151)	+.0000	(0.000)	+.0003	(0.008)	-.0067	(0.169)	-.0057	(0.144)	+.0000	(0.000)	
960000	(2438.400)	980000	(2489.200)	-.0064	(0.161)	-.0061	(0.154)	+.0000	(0.000)	+.0003	(0.008)	-.0068	(0.171)	-.0058	(0.146)	+.0000	(0.000)	
980000	(2489.200)	1000000	(2540.000)	-.0065	(0.164)	-.0062	(0.156)	+.0000	(0.000)	+.0003	(0.008)	-.0069	(0.174)	-.0059	(0.149)	+.0000	(0.000)	

\*1: TOLERANCE ON -16C BORE IS +0.000 (0.000) TO -.0005 (0.013)

\*2: TOLERANCE ON -20C, -25C, AND -28C BORE IS +0.000 (0.000) TO -.0008 (0.020)

\*3: TOLERANCE ON -16C AND -20C O.D. IS +0.000 (0.000) TO -.0010 (0.025)

\*4: TOLERANCE ON -33C, -37C, -47C, AND -49C OUTER RING WIDTH AND INNER RING WIDTH IS +0.000 (0.000) TO -.008 (0.203)

**SAE100**  
Leading Our World In Motion

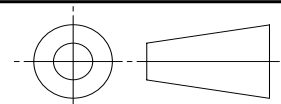
CUSTODIAN: SAE ACBG

**SAE Aerospace**  
An SAE International Group

## AEROSPACE STANDARD

(R) BEARING, ROLLER, SELF-ALIGNING, DOUBLE ROW  
TORQUE TUBE, AIRFRAME, ANTI-FRICTION,  
SEALED, TYPE IV

THIRD ANGLE PROJECTION

AS28915  
SHEET 1 OF 2REV.  
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