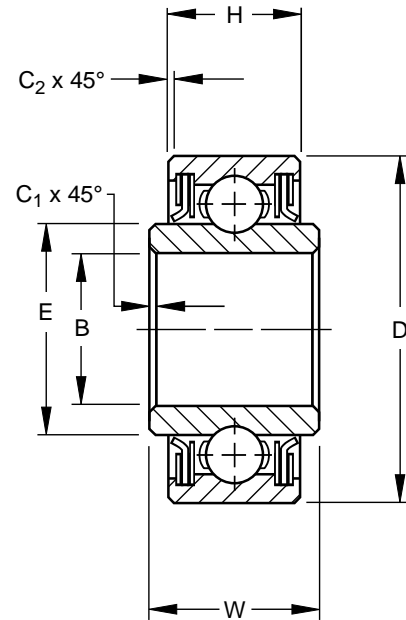


**MS27649 • SAE-AS7949**

- Single row, ball, deep groove
- Rings and balls are made of CRES 440C (not cadmium plated)
- PTFE seals and CRES sealcaps
- Prelubricated for life
- Bore and outside diameters of this series are the same as for corresponding sizes of the KP-A Series on page 28, but rings are wider for retainers and seals, and offsets between inner and outer ring faces are greater, providing increased bracket clearance at mounting



AIRFRAME CONTROL BALL BEARINGS

**SPECIFICATIONS AND ORDERING INFORMATION**

**TO ORDER, SPECIFY BEARING NUMBER AND FACTORY SPECIFICATION. SEE TABLE 1 ON PG 8. (Example AW3AK FS464)**

Bearing Number	MS 27649 Dash No.	Bore B		Outside Diameter D		Widths				E	C <sub>1</sub>		C <sub>2</sub>		Wt.		Radial Limit Load Rating	Thrust Limit Load Rating			
		+0.0000, -0.0005 +0.000, -0.013		+0.0000, -0.0005 +0.000, -0.013		+0.0000, -0.0025 +0.000, -0.064		+0.000, -0.005 +0.00, -0.13			Approx.		+0.015, -0.000 +0.38, -0.00		+0.015, -0.000 +0.38, -0.00				Approx.		
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	lbf.	N
*AW3AK	-3	0.1900	4.826	0.6250	15.875	0.4060	10.310	0.312	7.92	0.317	8.05	0.005	0.13	0.016	0.41	0.018	0.008	750	3350	350	1560
*AW4AK	-4	0.2500	6.350	0.7500	19.050	0.4380	11.130	0.312	7.92	0.415	10.54	0.005	0.13	0.016	0.41	0.028	0.013	880	3900	410	1830
*AW5AK	-5	0.3125	7.938	0.8125	20.638	0.4690	11.910	0.344	8.74	0.462	11.73	0.015	0.38	0.016	0.41	0.033	0.015	1370	6100	640	2850
*AW6AK	-6	0.3750	9.525	0.8750	22.225	0.4690	11.910	0.344	8.74	0.520	13.21	0.015	0.38	0.016	0.41	0.034	0.015	1370	6100	640	2850
*AW8AK	-8	0.5000	12.700	1.1250	28.575	0.5620	14.270	0.438	11.13	0.681	17.30	0.015	0.38	0.016	0.41	0.075	0.034	2250	10000	1050	4650
*AW10AK <sup>(1)</sup>	-10	0.6250	15.875	1.3750	34.925	0.5940	15.090	0.469	11.91	0.848	21.54	0.015	0.38	0.032	0.81	0.119	0.054	3060	13600	1430	6400
*AW12AK <sup>(1)</sup>	-12	0.7500	19.050	1.6250	41.275	0.6560	16.660	0.531	13.49	1.052	26.72	0.015	0.38	0.032	0.81	0.189	0.086	4000	17800	1870	8300
*AW16AK <sup>(1)</sup>	-16	1.0000	25.400	2.0000	50.800	0.6880	17.480	0.562	14.27	1.334	33.88	0.015	0.38	0.032	0.81	0.296	0.134	5000	22300	2340	10400
*AW20AK <sup>(1)</sup>	-20	1.2500	31.750	2.2500	57.150	0.6880	17.480	0.562	14.27	1.615	41.02	0.015	0.38	0.032	0.81	0.355	0.161	6000	26700	2800	12500

<sup>(1)</sup> Not in production. Will be produced as requirements justify tooling.

\* Check for availability.