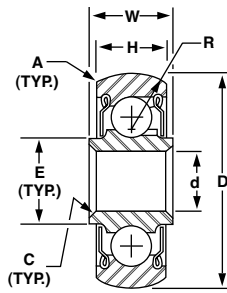
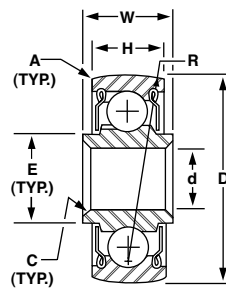


K- Series



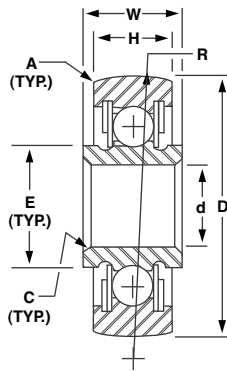
K3L2

Full ball complement (no retainer)



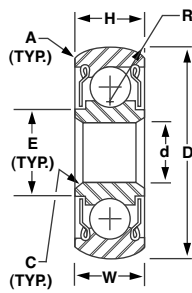
K3L3, K3LR48

Full ball complement (no retainer)



KP3AR11-2 through KP4R25-2

Full ball complement (no retainer)



K8AR4

Full ball complement (no retainer)

Notes:

1. Rings and balls are manufactured from premium quality AISI 52100 chrome steel.
2. Operating temperature range: -65 to +250 °F.
3. Shield or seal type is specified below—see footnotes (1) and (2).
4. Bearings are lubricated with MIL-PRF-81322 grease, 80% minimum fill, unless otherwise specified.
5. External surfaces (except bore) are cadmium plated per AMS-QQ-P-416. All dimensions apply after plating.
6. Custom sizes, materials, tolerances, radial internal clearances, lubrication, plating, etc., are available upon request.
7. See "Airframe Part Numbering System" on page 5 for correct NHBB nomenclature.
8. All dimensions are in inches, unless otherwise specified.

Refer to the Qualifications and Manufacturing Schedule for a current list of the Precision Division's AS7949 qualifications and manufacturing capabilities.

K-

NHBB BASIC P/N	BORE d	O.D. D	O.D. RADIUS R		RING WIDTH		BALL COMPLEMENT		INNER RING SHOULDER DIAMETER E	RING CHAMFER X 45°		MAX. SAFE WORKING LOAD ^	APPROX. WEIGHT
			MAX.	MIN.	OUTER H	INNER W	NO.	DIA.		OUTER A	INNER C		
	+0.000 -0.005	+0.000 -0.002			+0.000 -0.005	+0.000 -0.005			REF.	REF.	+0.015 -0.000	RADIAL LBS.	LBS.
K3L2 ⁽¹⁾	.1900	.687	.187	.182	.203	.245	10	1/8	.277	.020 ⁽⁵⁾	.005	200	.01
K3L3 ⁽¹⁾	.1900	.635 ⁽³⁾	.550	.500	.203	.245	10	1/8	.277	.020 ⁽⁵⁾	.005	200	.01
K3LR48 ⁽¹⁾	.1900	.687	3.015	2.985	.203	.245	10	1/8	.277	.020 ⁽⁵⁾	.005	200	.02
KP3AR11-2 ⁽²⁾	.1900	.718 ⁽⁴⁾	.359	.358	.265	.297	10	1/8	.297	.015 ⁽⁵⁾	.005	300	.02
KP4AR13 ⁽²⁾	.2500	.800	.812	.802	.219	.281	12	1/8	.380	.015	.005	400	.02
KP4AR48 ⁽²⁾	.2500	.800	3.015	2.985	.219	.281	12	1/8	.375	.015	.005	400	.02
KP4R16 ⁽²⁾	.2500	.901	1.000	.990	.335	.484	11	5/32	.387	.015	.005	400	.04
KP4R16-2 ⁽²⁾	.2500	1.000	1.000	.990	.335	.390	11	5/32	.390	.015	.005	500	.06
KP4R16-3 ⁽²⁾	.2500	.901	1.000	.990	.335	.390	11	5/32	.390	.015	.005	400	.04
KP4R21-2SD1000 ⁽²⁾	.2500	1.312	1.312	1.302	.281	.376	13	3/16	.582	.015	.005	500	.10
KP4R25-2SD1000 ⁽²⁾	.2500	1.656	1.656	1.654	.315	.376	13	3/16	.582	.015	.005	500	.16
K8AR4 ⁽¹⁾	.5000	1.250	.252	.248	.375	.344	16	5/32	.610	.015	.016	500	.05

Radial internal clearance: .0004 to .0010

⁽¹⁾ Nonremovable stainless steel shields. Also available with PTFE seals bonded to nonremovable stainless steel shields. Consult factory for availability.

⁽²⁾ Removable PTFE seals

⁽³⁾ O.D. (D) tolerance: +.000 / -.003

⁽⁴⁾ Spherical diameter

⁽⁵⁾ Radius

^ Maximum safe working load based on 100,000 feet peripheral travel life.