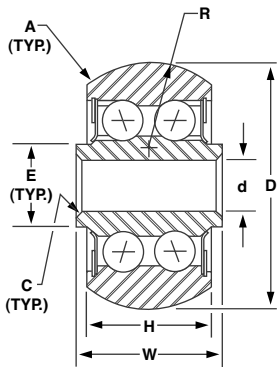
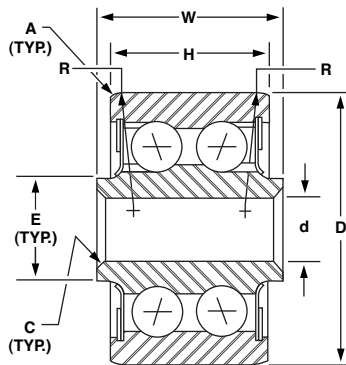




D- Series



Spherical O.D.
Full ball complement
(no retainers)



Cylindrical O.D. with blended corner radius
Full ball complement
(no retainers)

Notes:

1. Rings and balls are manufactured from premium quality AISI 52100 chrome steel.
2. Operating temperature range: -65 to +250 °F.
3. All bearings include removable PTFE seals.
4. Contact angles are divergent (° \ /).
5. Bearings are lubricated with MIL-PRF-81322 grease, 80% minimum fill, unless otherwise specified.
6. External surfaces (except bore) are cadmium plated per AMS-QQ-P-416. All dimensions apply after plating.
7. Custom sizes, materials, tolerances, radial internal clearances, lubrication, plating, etc., are available upon request.
8. See "Airframe Part Numbering System" on page 5 for correct NHBB nomenclature.
9. 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.

D-

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
					OUTER H	INNER W	NO.	DIA.		OUTER A	INNER C		
	+ .0000 - .0005	+ .000 - .005	MAX.	MIN.	+ .000 - .005	+ .000 - .005			REF.	REF.	+ .015 - .000	RADIAL LBS.	LBS.
DPP5R10-2 ⁽²⁾	.3125	1.400 ⁽³⁾	.635	.615	.687	.745	22	15/64	.524	.039	.015	1800	.19
D7R6-2 ⁽¹⁾	.4375	1.250 ⁽³⁾	.375	.365	.600	.625	28	5/32	.545	.050	.005	1000	.12
D7R6-3 ⁽¹⁾	.4375	1.625 ⁽³⁾	.375	.365	.600	.625	26	3/16	.566	.005	.005	2000	.16
D7R48-3 ⁽¹⁾	.4375	1.625	3.015	3.005	.600	.625	26	3/16	.566	.050	.005	2000	.18
DP8A3 ⁽²⁾	.5000	1.225	.515	.485	.527	.625	32	5/32	.610	.040	.005	1000	.11
DP8A4 ⁽²⁾	.5000	1.500 ⁽⁴⁾	1.010	.990	.527	.625	32	5/32	.610	.030	.005	1800	.14

Radial internal clearance: .0001 to .0010

⁽¹⁾ Spherical O.D.

⁽²⁾ Cylindrical O.D. with blended corner radius

⁽³⁾ O.D. (D) tolerance: +.000 / -.010

⁽⁴⁾ O.D. (D) tolerance: +.000 / -.001

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