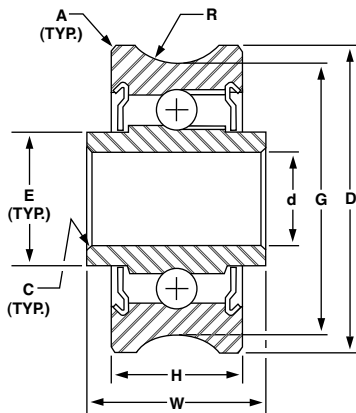
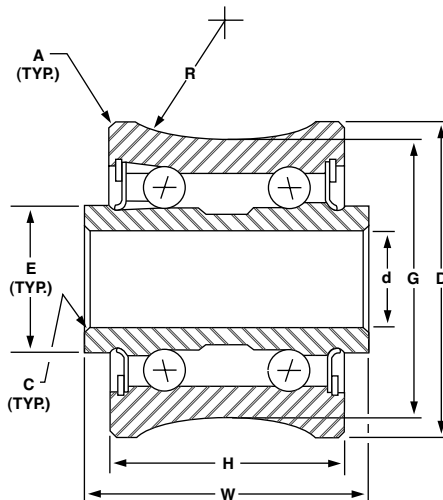


G-, GD- Series



Full ball complement (no retainers)



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. Shield or seal type is specified below—see footnotes (3) and (4).
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.

G-, GD-

NHBB BASIC P/N	BORE d	O.D. D	RING WIDTH		BALL COMPLEMENT		INNER RING SHOULDER DIAMETER E	RING CHAMFER X 45°		GROOVE DIAMETER G	GROOVE RADIUS R	MAX. SAFE WORKING LOAD ^	APPROX. WEIGHT
			OUTER H	INNER W	NO.	DIA.		OUTER A	INNER C				
	+0.000 -0.005	+0.000 -0.010	+0.000 -0.005	+0.0000 -0.0050			REF.	+0.015 -0.000	+0.015 -0.000	+0.000 -0.001	REF.	RADIAL LBS.	LBS.
G4Y17 <sup>(1)</sup> <sup>(3)</sup>	.2500	1.037	.563	.6250	12	5/32	.410	.005	.032	.906 <sup>(5)</sup>	.541	400	.08
GD5M20 <sup>(2)</sup> <sup>(4)</sup>	.3125	1.015	.812	.9375	26	9/64	.472	.005	.005	.901	.630	600	.11
GD5M28 <sup>(2)</sup> <sup>(4)</sup>	.3125	1.015	.812	.9375	26	9/64	.472	.005	.005	.901	.895	600	.10

Radial internal clearance: .0001 to .0010

- (1) Single row construction—full ball complement (no retainer)
- (2) Double row construction—full ball complement (no retainers)
- (3) Nonremovable stainless steel shields
- (4) Removable PTFE seals
- (5) Groove diameter (G) tolerance: +.000 / -.002

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