



GEZ

Spherical Plain Bearings

Metal to Metal
Fractured Race

General Information

SMITH GEZ (inch size) and **GE** (metric size) **Plain Spherical Bearings** are assembled units, which consist of a spherical O.D. inner ring and a spherical I.D. outer ring. Both inner and outer rings are phosphate treated and coated with Molybdenum disulphide. Bearings are available in sealed versions. For sealed bearings add suffix "X" (Example: **GEZ12ES-X**).

INCH Size Bearings

Dimensional Data (inches)

SMITH Bearing® Number	B Bore Diameter +.0000 -.0005	D Outer Diameter +.0000 -.0005	H Race Width +.000 -.005	W Overall Ball Width +.000 -.005	O Ball Flat Dia. (Ref)	M Race Chamfer (Min)	S Ball Diameter (Ref)	a Max Mis-align Angle	Max Radial Static Load Capacity (lbs)	Approx. Weight (lbs)
GEZ12ES	.5000	.875	.375	.437	.551	.032	.709	6.0	9,330	.044
GEZ15ES	.6250	1.0625	.469	.547	.703	.040	.906	6.0	14,726	.079
GEZ19ES	.7500	1.250	.562	.656	.844	.040	1.083	6.0	21,358	.126
GEZ22ES	.8750	1.4375	.656	.765	.974	.040	1.260	6.0	28,552	.193
GEZ25ES	1.0000	1.625	.750	.875	1.103	.040	1.417	6.0	37,320	.276
GEZ31ES	1.2500	2.000	.937	1.093	1.382	.040	1.772	6.0	58,453	.516
GEZ34ES	1.3750	2.1875	1.031	1.187	1.516	.040	1.929	6.0	69,694	.770
GEZ38ES	1.5000	2.4375	1.125	1.312	1.703	.040	2.165	6.0	84,308	.934
GEZ44ES	1.7500	2.8125	1.312	1.531	1.984	.040	2.520	6.0	114,658	1.430
GEZ50ES	2.0000	3.1875	1.500	1.750	2.266	.048	2.874	6.0	150,629	2.070
GEZ63ES	2.5000	3.9375	1.875	2.187	2.833	.048	3.583	6.0	236,061	4.090
GEZ69ES	2.7500	4.375	2.062	2.406	3.110	.048	3.937	6.0	281,025	5.380
GEZ76ES	3.0000	4.750	2.250	2.625	3.406	.048	4.331	6.0	337,230	6.870

METRIC Size Bearings

Dimensional Data (mm)

SMITH Bearing® Number	B Bore Diameter +.000 -.015	D Outer Diameter +.000 -.015	H Race Width +.00 -.15	W Overall Ball Width +.00 -.15	O Ball Flat Dia. (Ref)	M Race Chamfer (Min)	S Ball Diameter (Ref)	a Max Mis-align Angle	Radial Static Load Capacity (Newtons)	Approx. Weight (kilograms)
GE30ES	30	47	18	22	34	0.6	40.7	6	310,000	0.16
GE40ES	40	62	22	28	45	1.0	53.0	7	500,000	0.32
GE45ES	45	68	25	32	50	1.0	60.0	7	640,000	0.46
GE50ES	50	75	28	35	55	1.0	66.0	6	780,000	0.56