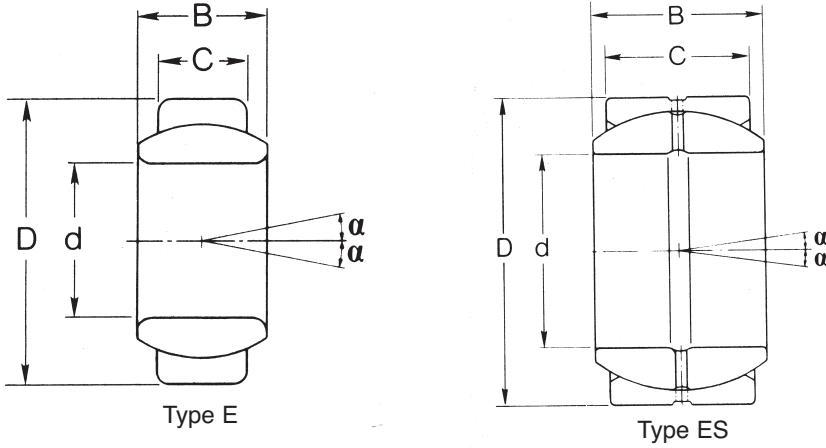




# SPHERICAL PLAIN BEARINGS

## GE SERIES



Spherical plain bearings are designed as open bearings or with seals to aid in dirt exclusion. Spherical plain bearings are used in severe misalignment conditions. Additional applications include oscillation, tilting and similar conditions where high rotation speeds are not required. Made in inch and metric dimensions.

### INCH SERIES

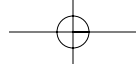
Units: Inches  
Metric

Designation		d	D	B	B <sub>1</sub>	Tilt	Designation		d	D	B	B <sub>1</sub>	Tilt
Without Seals	With Seals	in.	in.	in.	in.	Angle	Without Seals	With Seals	in.	in.	in.	in.	Angle
		mm	mm	mm	mm	Degrees			mm	mm	mm	mm	Degrees
GEZ 008 ES	—	.5	.875	.437	.375	6	GEZ 208 ES	GEZ 208 ES-2RS	2.5	3.9375	2.187	1.875	6
		12.700	22.225	11.10	9.525				63.500	100.013	55.55	47.625	
GEZ 010 ES	—	.625	1.0625	.547	.469	6	GEZ 212 ES	GEZ 212 ES-2RS	2.75	4.375	2.406	2.062	6
		15.875	26.988	13.894	11.913				69.850	111.125	61.112	52.375	
GEZ 012 ES	—	.75	1.25	.656	.562	6	GEZ 300 ES	GEZ 300 ES-2RS	3	4.75	2.625	2.25	6
		19.050	31.750	16.662	14.275				76.200	120.650	66.675	57.15	
GEZ 014 ES	—	.875	1.4375	.756	.656	6	GEZ 304 ES	GEZ 304 ES-2RS	3.25	5.125	2.844	2.437	6
		22.225	36.513	19.431	16.662				82.550	130.175	72.238	61.900	
GEZ 100 ES	GEZ 100 ES02RS	1	1.625	.875	.75	6	GEZ 308 ES	GEZ 308 ES-2RS	3.5	.5	3.062	2.625	6
		25.400	41.275	22.225	19.05				88.900	139.700	77.775	66.675	
GEZ 104 ES	—	1.25	2	1.093	.937	6	GEZ 312 ES	GEZ 312 ES-2RS	3.75	5.875	3.281	2.812	6
		31.750	50.800	27.762	23.80				95.250	149.225	83.337	71.425	
GEZ 106 ES	—	1.375	2.1875	1.187	1.031	6	GEZ 400 ES	GEZ 400 ES-2RS	4	6.25	3.5	3	6
		34.925	55.563	30.15	26.187				101.600	158.750	88.900	76.200	
GEZ 108 ES	GEZ 108 ES-2RS	1.5	2.4375	1.312	1.125	6	GEZ 408 ES	GEZ 408 ES-2RS	4.5	7	3.937	3.375	6
		38.100	61.913	33.325	28.575				114.300	177.800	100.000	85.725	
GEZ 112 ES	GEZ 112 ES-2RS	1.75	2.8125	1.531	1.312	6	GEZ 500 ES	GEZ 500 ES-2RS	5	7.75	4.375	3.75	6
		44.450	71.438	38.887	33.325				127.000	196.850	111.125	95.250	
GEZ 200 ES	GEZ 200 ES-2RS	2	3.1875	1.751	1.5	6	GEZ 600 ES	GEZ 600 ES-2RS	6	8.75	4.75	4.125	5
		50.800	80.963	44.45	38.10				152.400	222.250	120.650	104.775	
GEZ 204 ES	GEZ 204 ES-2RS	2.25	3.5625	1.969	1.687	6							
		57.150	90.488	50.013	42.85								

### METRIC SERIES

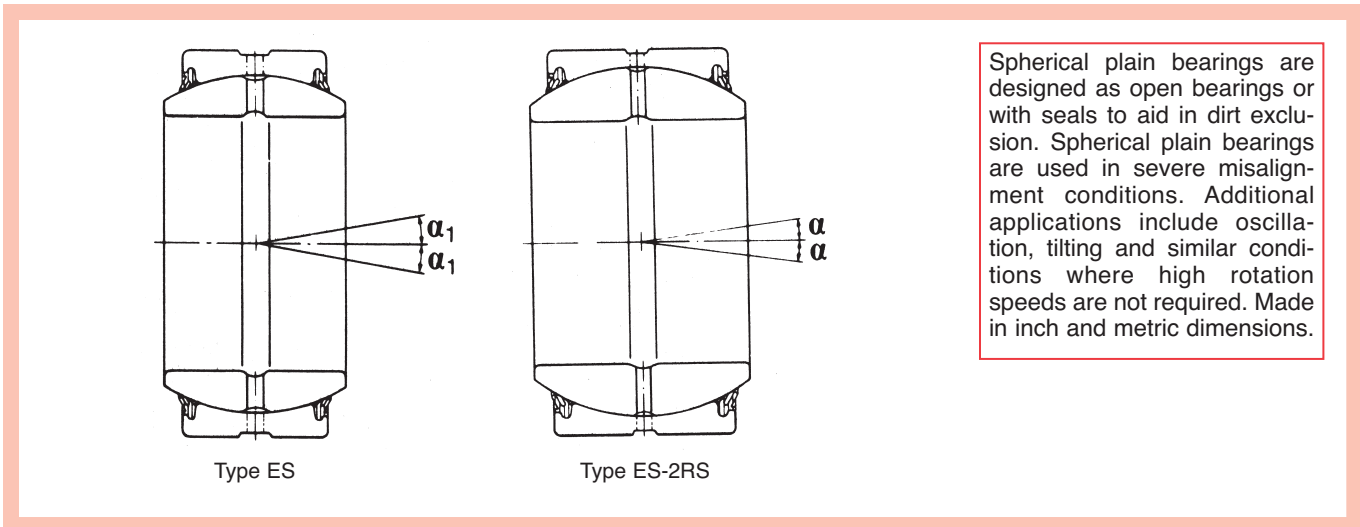
Designation		d	D	B	B <sub>1</sub>	Tilt	Designation		d	D	B	B <sub>1</sub>	Tilt
Without Seals	With Seals	mm	mm	mm	mm	Angle	Without Seals	With Seals	mm	mm	mm	mm	Angle
		in.	in.	in.	in.	Degrees			in.	in.	in.	in.	Degrees
GE 4 E	—	4	12	5	3	16	GE 12 E	—	12	22	10	7	11
		.1575	.4724	.1969	.1181				.4724	.8661	.3937	.4331	
GE 5 E	—	5	14	6	4	13	GE 15 ES	GE 15 ES-2RS	15	26	12	9	8/5
		.1969	.93556	.2362	.1575				.5906	1.0236	.3048	.3543	
GE 6 E	—	6	14	6	4	13	GE 17 ES	GE 17 ES-2RS	17	30	14	10	10/7
		.2362	.03556	.2362	.1575				.6693	1.1811	.5512	.3937	
GE 8 E	—	8	16	8	5	15	GE 20 ES	GE 20 ES-2RS	20	35	16	12	9/6
		.3150	.6299	.3150	.1969				.7874	1.3780	.6299	.4724	
GE 10 E	—	10	19	9	6	12	—	GEH 20 ES-2RS	42	25	16	15	
		.3937	.7480	.3543	.2362				1.6535	.9843	.6299		

\*Maximum fillet which corner radius of bearing will clear.



# SPHERICAL PLAIN BEARINGS

## GE SERIES (continued)



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Designation		d mm in.	D mm in.	B mm in.	B <sub>1</sub> mm in.	Tilt Angle Degrees	Designation		d mm in.	D mm in.	B mm in.	B <sub>1</sub> mm in.	Tilt Angle Degrees	
Without Seals	With Seals						Without Seals	With Seals						
GE 25 ES	GE 25 ES-2RS	25 .9843	42 1.6535	20 .7874	16 .6299	7/4	GE 90 ES	GE 90 ES-2RS	90 3.5436	130 5.1182	60 2.3625	50 1.9688	5/3	
—	GEH 25 ES-2RS		47 1.8504	28 1.1024	18 .7087	14	GEH 90 ES	GEH 90 ES-2RS		150 5.9056	85 3.3464	55 2.1654	15/14	
GE 30 ES	GE 30 ES-2RS	30 1.1812	47 1.8504	22 8.6614	18 .7087	6/4	GE 100 ES	GE 100 ES-2RS	100 3.9373	150 5.9056	70 2.7562	55 2.1654	7/5	
—	GEH 30 ES-2RS		55 2.1653	32 1.2598	20 .7874	16	—	GEH 100 ES-2RS		160 6.2993	85 3.3464	55 2.1654	12	
GE 35 ES	GE 35 ES-2RS	35 1.3781	55 2.1653	25 .9843	20 .7874	6/4	GE 110 ES	GE 100 ES-2RS	110 4.3310	160 6.2993	70 2.7562	55 2.1654	6/4	
—	GEH 35 ES-2RS		62 2.4409	35 1.3781	22 .8661	15	—	GEH 100 ES-2RS		180 7.0867	100 3.9373	70 2.7562	11	
GE 40 ES	GE 40 ES-2RS	40 1.5750	62 2.4409	28 1.1024	22 .8661	7/4	GE 120 ES	GE 120 ES-2RS	120 4.7247	180 7.0867	85 3.3464	70 2.7562	6/4	
—	GEH 40 ES-2RS		68 2.6772	40 1.5750	25 .9843	14	GEH 120 ES	—		210 8.2678	115 4.5276	70 2.7562	16	
GE 45 ES	GE 45 ES-2RS	45 1.7719	68 2.6772	32 1.2398	25 .9843	7/4	GE 140 ES	GE 140 ES-2RS	140 5.5121	210 8.2678	90 3.5436	70 2.7562	7/5	
—	GEH 45 ES-2RS		75 2.9528	43 1.6929	28 1.1024	13	GE 160 ES	GE 160 ES-2RS	160 6.2935	230 9.0552	105 4.1339	80 3.1499	8/6	
GE 50 ES	GE 50 ES-2RS	50 1.9688	75 2.9528	35 1.3781	28 1.1024	6/4	GE 180 ES	GE 180 ES-2RS	180 7.0869	260 10.2363	105 4.1339	80 3.1499	6/4	
—	GEH 50 ES-2RS		90 3.5433	56 2.2047	36 1.4173	16	GE 200 ES	—		200 7.8743	290 11.4174	130 5.1182	100 3.9373	7
GE 60 ES	GE 60 ES-2RS	60 2.3625	90 3.5433	44 1.7323	36 1.4173	6/3	GE 220 ES	—		220 8.6617	320 12.5985	135 5.3151	100 3.9373	8
—	GEH 60 ES-2RS		105 4.1339	63 2.4803	40 1.5750	15	GE 240 ES	—		240 9.4491	340 13.3859	140 5.5121	100 3.9373	8
GE 70 ES	GE 70 ES-2RS	70 2.7562	105 4.1339	49 1.9291	40 1.5750	6/4	GE 260 ES	—		260 10.2365	370 14.5670	150 6.1025	110 4.3310	7
GEH 70 ES	GEH 70 ES-2RS		120 4.7245	70 2.7562	45 1.7719	16/14	GE 280 ES	—		280 11.0239	400 15.7481	155 6.2994	120 4.7247	6
GE 80 ES	GE 80 ES-2RS	80 3.1499	120 4.7245	55 2.1654	45 1.7719	6/4	GE 300 ES	—		300 11.8113	430 16.9292	165 6.6931	120 4.7247	7
—	GEH 80 ES-2RS		130 5.1182	75 2.9528	50 1.9688	13								

\*Maximum fillet which corner radius of bearing will clear.

