

SPHERICAL BUSHINGS

Steel-on-steel Spherical Bushings



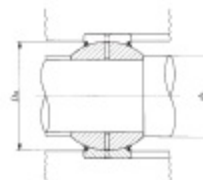
GE-G



GE-GS



GE-GS-2RS



Shaft dia. 6 – 120mm

Shaft dia. mm	Identification number		Mass (Ref.) kg	Boundary dimensions mm							Permissible tilting angle degree	
	Without seals	With seals		d	D	B	C	d _k	r ₁ ⁽¹⁾ 1.5 mm	r ₂ ⁽¹⁾ 2.5 mm	α	α ₁
6	GE 6G	—	0.010	6	16	9	5	13	0.3	0.3	21	—
8	GE 8G	—	0.015	8	19	11	6	16	0.3	0.3	21	—
10	GE 10G	—	0.022	10	22	12	7	18	0.3	0.3	18	—
12	GE 12G	—	0.041	12	26	15	9	22	0.3	0.3	18	—
15	GE 15GS	GE 15GS-2RS	0.059	15	30	16	10	25	0.3	0.3	16	13
17	GE 17GS	GE 17GS-2RS	0.083	17	35	20	12	29	0.3	0.3	19	16
20	GE 20GS	GE 20GS-2RS	0.155	20	42	25	16	35.5	0.3	0.6	17	16
25	GE 25GS	GE 25GS-2RS	0.215	25	47	28	18	40.7	0.6	0.6	17	15
30	GE 30GS	GE 30GS-2RS	0.330	30	55	32	20	47	0.6	1	17	16
35	GE 35GS	GE 35GS-2RS	0.400	35	62	35	22	53	0.6	1	16	15
40	GE 40GS	GE 40GS-2RS	0.515	40	68	40	25	60	0.6	1	17	14
45	GE 45GS	GE 45GS-2RS	0.660	45	75	43	28	66	0.6	1	15	13
50	GE 50GS	GE 50GS-2RS	1.50	50	90	56	36	80	0.6	1	17	16
60	GE 60GS	GE 60GS-2RS	2.05	60	105	63	40	92	1	1	17	15
70	GE 70GS	GE 70GS-2RS	3.00	70	120	70	45	105	1	1	16	14
80	GE 80GS	GE 80GS-2RS	3.60	80	130	75	50	115	1	1	14	13
90	GE 90GS	GE 90GS-2RS	5.41	90	150	85	55	130	1	1	15	14
100	GE 100GS	GE 100GS-2RS	6.15	100	160	85	55	140	1	1	14	12
110	GE 110GS	GE 110GS-2RS	9.70	110	180	100	70	160	1	1	12	11
120	GE 120GS	GE 120GS-2RS	15.5	120	210	115	70	180	1	1	16	15

Notes⁽¹⁾ Minimum allowable value of chamfer dimensions r₁ and r₂⁽²⁾ When Spherical Bushings are used with full tilting angle, the shaft shoulder dimension must be less than the maximum value of d_k.

Remark 1. GE-G has no oil hole. Others are provided with an oil groove and two oil holes on the inner ring and outer ring, respectively.

2. Not provided with prepacked grease. Perform proper lubrication for use.

Mounting dimensions mm				Dynamic load capacity C _d N	Static load capacity C _s N
d _s		D _s			
Min.	Max. ⁽²⁾	Max.	Min.		
8.5	9	13.5	13	6 370	38 200
10.5	11.5	16.5	15.5	9 410	56 500
12.5	13	19.5	17	12 400	74 100
14.5	16	23.5	21	19 400	117 000
17.5	19	27.5	26	24 500	147 000
19.5	21	32.5	30.5	34 100	205 000
22.5	25	37.5	37	55 700	334 000
29.5	29.5	42.5	41.5	71 800	431 000
34	34	49.5	48	92 200	553 000
39.5	39.5	56.5	54.5	114 000	686 000
44.5	44.5	62.5	60	147 000	883 000
49.5	50	69.5	66	181 000	1 090 000
54.5	57	84.5	79	282 000	1 690 000
65.5	67	99.5	91	361 000	2 170 000
75.5	78	114.5	103	463 000	2 780 000
85.5	87	124.5	112	564 000	3 380 000
95.5	98	144.5	127	701 000	4 210 000
105.5	111	154.5	138	755 000	4 530 000
115.5	124.5	174.5	154	1 100 000	6 590 000
125.5	138.5	204.5	176	1 240 000	7 410 000