

SPHERICAL BUSHINGS

Maintenance-free Spherical Bushings

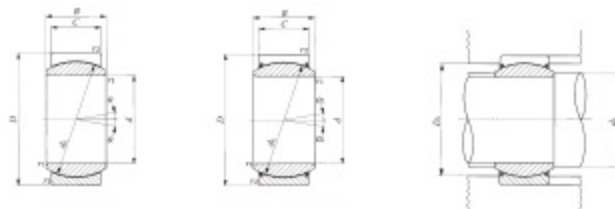


Shaft dia. 15 – 70mm

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	$r_{1s \text{ min}}^{(1)}$	$r_{2s \text{ min}}^{(1)}$	α	α_1	
15	GE 15EC	—	0.032	15	26	12	9	22	0.3	0.3	8	—	
17	GE 17EC	—	0.049	17	30	14	10	25	0.3	0.3	10	—	
20	GE 20EC	—	0.065	20	35	16	12	29	0.3	0.3	9	—	
25	GE 25EC	—	0.115	25	42	20	16	35.5	0.6	0.6	7	—	
30	GE 30EC	GE 30EC-2RS	0.160	30	47	22	18	40.7	0.6	0.6	6	4	
35	—	GE 35EC-2RS	0.258	35	55	25	20	47	0.6	1	—	4	
40	—	GE 40EC-2RS	0.315	40	62	28	22	53	0.6	1	—	4	
45	—	GE 45EC-2RS	0.413	45	68	32	25	60	0.6	1	—	4	
50	—	GE 50EC-2RS	0.560	50	75	35	28	66	0.6	1	—	4	
60	—	GE 60EC-2RS	1.10	60	90	44	36	80	1	1	—	3	
70	—	GE 70EC-2RS	1.54	70	105	49	40	92	1	1	—	4	

Notes⁽¹⁾ Minimum allowable values of chamfer dimensions r_1 and r_2 ⁽²⁾ When Spherical Bushings are used with full filling angle, the shaft shoulder dimension must be less than the maximum value of d_k .

Remark No oil hole is provided.



GE—EC

GE—EC-2RS

Mounting dimensions mm				Dynamic load capacity C_d N	Static load capacity C_s N
d_s		D_s			
Min.	Max. ⁽²⁾	Max.	Min.		
17.5	18	23.5	21.5	19 400	48 500
19.5	20.5	27.5	24.5	24 500	61 300
22.5	24	32.5	28	34 100	85 300
29	29	37.5	34	55 700	139 000
34	34	42.5	41.5	71 900	180 000
39.5	39.5	49.5	48	92 200	230 000
44.5	45	56.5	54.5	114 000	286 000
49.5	50.5	62.5	60	147 000	368 000
54.5	56	69.5	66	181 000	453 000
65.5	66.5	84.5	79	282 000	706 000
75.5	77.5	99.5	91	361 000	902 000