



Product Type:[Radial spherical plain bearings requiring maintenance]

Item Number:GE...E 4~12

GE...ES 15~300

GE...ES-2RS 15~300

Design characteristics:

Outer ring of carbon chromium steel,fractured,hardened and phosphated , sliding surface treated with MoS2 .Inner ring of carbon chromium steel,hardened and phosphated, sliding surface treated with MoS2. All bearings have an annular groove and lubrication holes in each ring except those of the E design. Bearings of the 2RS design are fitted with seals at both sides.

Permissible operating temperature range:

GE...E -50°C~+150°C

GE...ES -50°C~+150°C

GE...ES-2RS -30°C~+130°C

轴承型号 Bearing number	外形尺寸 Dimensions mm								额定载荷 Load ratings kN		重量 Weight ≈kg	
	d	D	B	C	dk	r _s min	r _{1s} min	α° ≈	动载荷 Dynamic	静载荷 Static		
GE4E	4	12	5	3	8	0.3	0.3	16	2	10	0.003	
GE5E	5	14	6	4	10	0.3	0.3	13	3.4	17	0.005	
GE6E	6	14	6	4	10	0.3	0.3	13	3.4	17	0.004	
GE8E	8	16	8	5	13	0.3	0.3	15	5.5	27	0.007	
GE10E	10	19	9	6	16	0.3	0.3	12	8.1	40	0.011	
GE12E	12	22	10	7	18	0.3	0.3	10	10	53	0.017	
GE15ES	GE15ES-2RS	15	26	12	9	22	0.3	0.3	8	16	84	0.026
GE17ES	GE17ES-2RS	17	30	14	10	25	0.3	0.3	10	21	106	0.040
GE20ES	GE20ES-2RS	20	35	16	12	29	0.3	0.3	9	30	146	0.064
GE25ES	GE25ES-2RS	25	42	20	16	35.5	0.6	0.6	7	48	240	0.115
GE30ES	GE30ES-2RS	30	47	22	18	40.7	0.6	0.6	6	62	310	0.149
GE35ES	GE35ES-2RS	35	55	25	20	47	0.6	1	6	79	399	0.228
GE40ES	GE40ES-2RS	40	62	28	22	53	0.6	1	7	99	495	0.318
GE45ES	GE45ES-2RS	45	68	32	25	60	0.6	1	7	127	637	0.421
GE50ES	GE50ES-2RS	50	75	35	28	66	0.6	1	6	156	780	0.562
GE55ES	GE55ES-2RS	55	85	40	32	74	0.6	1	7	200	1000	0.864
GE60ES	GE60ES-2RS	60	90	44	36	80	1	1	6	245	1220	1.03
GE70ES	GE70ES-2RS	70	105	49	40	92	1	1	6	313	1560	1.57
GE80ES	GE80ES-2RS	80	120	55	45	105	1	1	6	400	2000	2.32
GE90ES	GE90ES-2RS	90	130	60	50	115	1	1	5	488	2440	2.79
GE100ES	GE100ES-2RS	100	150	70	55	130	1	1	7	607	3030	4.44
GE110ES	GE110ES-2RS	110	160	70	55	140	1	1	6	654	3270	4.83
GE120ES	GE120ES-2RS	120	180	85	70	160	1	1	6	950	4750	8.11
GE140ES	GE140ES-2RS	140	210	90	70	180	1	1	7	1070	5350	11.2
GE160ES	GE160ES-2RS	160	230	105	80	200	1	1	8	1360	6800	14.1
GE180ES	GE180ES-2RS	180	260	105	80	225	1.1	1.1	6	1530	7650	18.5
GE200ES	GE200ES-2RS	200	290	130	100	250	1.1	1.1	7	2120	10600	28.4
GE220ES	GE220ES-2RS	220	320	135	100	275	1.1	1.1	8	2320	11600	35.7
GE240ES	GE240ES-2RS	240	340	140	100	300	1.1	1.1	8	2550	12700	39.7
GE260ES	GE260ES-2RS	260	370	150	110	325	1.1	1.1	7	3030	15190	51.5
GE280ES	GE280ES-2RS	280	400	155	120	350	1.1	1.1	6	3570	17850	64.9
GE300ES	GE300ES-2RS	300	430	165	120	375	1.1	1.1	7	3800	19100	77.6

内径 $\phi 50 \leq d \leq \phi 200\text{mm}$ 外圈内球面可设计交叉润滑槽, 图示见 P112 图 1, 轴承型号需加 “/J”, 例如: GE80ES/J

$\phi 50 \leq d \leq \phi 200\text{mm}$, the sliding surface of outer ring can be designed crossed grooves, sketch map see page P112 figure1,

suffix “/J” is added to bearing number, e.g.GE80ES/J