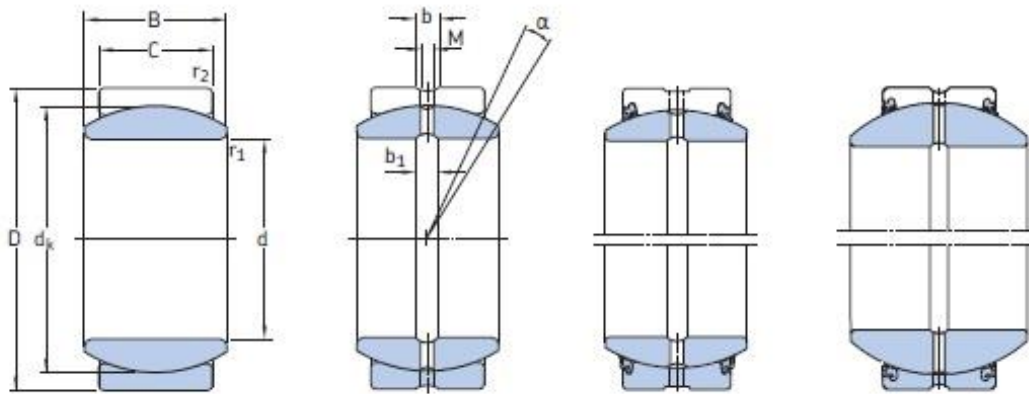


Radial spherical plain bearings, steel/steel, metric sizes
d 4 – 40 mm

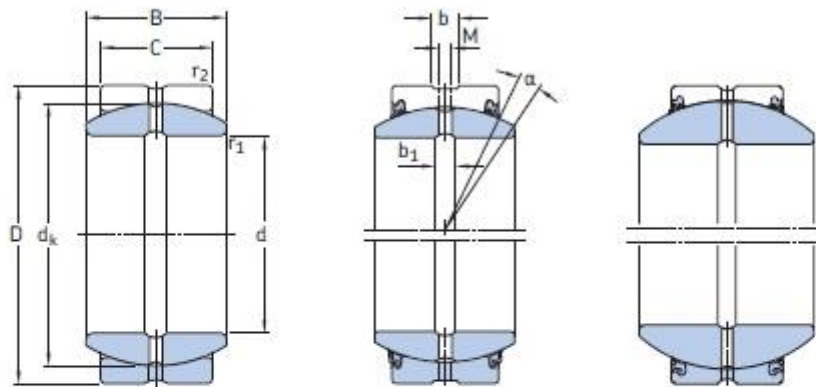


Principal dimensions				Angle of tilt ¹⁾	Basic load ratings		Mass	Designations ²⁾	
d	D	B	C		dynamic	static		without seals	suffix for heavy-duty seals
mm	mm	mm	mm	degrees	kN	C ₀	kg	–	–
4	12	5	3	16	2,04	10,2	0,003	GE 4 E	–
5	14	6	4	13	3,4	17	0,004	GE 5 E	–
6	14	6	4	13	3,4	17	0,004	GE 6 E	–
8	16	8	5	15	5,5	27,5	0,008	GE 8 E	–
10	19	9	6	12	8,15	40,5	0,012	GE 10 E	–
12	22	10	7	10	10,8	54	0,017	GE 12 E	–
15	26	12	9	8	17	85	0,032	GE 15 ES	–
	26	12	9	8	17	85	0,032	GE 15 ES-2RS	–
17	30	14	10	10	21,2	106	0,050	GE 17 ES	–
	30	14	10	10	21,2	106	0,050	GE 17 ES-2RS	–
20	35	16	12	9	30	146	0,065	GE 20 ES	–
	35	16	12	9	30	146	0,065	GE 20 ES-2RS	-2LS
	42	25	16	17	48	240	0,16	GEH 20 ES-2RS	-2LS
25	42	20	16	7	48	240	0,12	GE 25 ES	–
	42	20	16	7	48	240	0,12	GE 25 ES-2RS	-2LS
	47	28	18	17	62	310	0,20	GEH 25 ES-2RS	-2LS
30	47	22	18	6	62	310	0,16	GE 30 ES	–
	47	22	18	6	62	310	0,16	GE 30 ES-2RS	-2LS
	55	32	20	17	80	400	0,35	GEH 30 ES-2RS	-2LS
35	55	25	20	6	80	400	0,23	GE 35 ES	–
	55	25	20	6	80	400	0,23	GE 35 ES-2RS	-2LS
	62	35	22	15	100	500	0,47	GEH 35 ES-2RS	-2LS
40	62	28	22	7	100	500	0,32	GE 40 ES	–
	62	28	22	6	100	500	0,32	GE 40 ES-2RS	-2LS
	68	40	25	17	127	640	0,61	GEH 40 ES-2RS	-2LS

¹⁾To fully utilize the angle of tilt, the shaft shoulder should not be made larger than $d_{s, max}$.

²⁾Bearings with an outside diameter $D \geq 150$ mm have the multi-groove system in the outer ring as standard. Bearings with an outside diameter $D < 150$ mm can be supplied with the multi-groove system on request (designation suffix ESL).

Radial spherical plain bearings, steel/steel, metric sizes
d 45 – 120 mm



GE .. ES

GE .. ES-2RS
GE .. ES-2LS

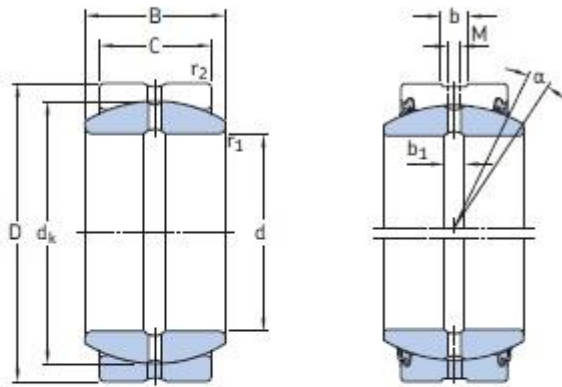
GEH .. ES-2RS
GEH .. ES-2LS

Principal dimensions				Angle of tilt ¹⁾ α	Basic load ratings		Mass	Designations ²⁾	
d	D	B	C		dynamic C	static C ₀		without seals	with standard seals
mm				degrees	kN		kg	-	
45	68	32	25	7	127	640	0,46	GE 45 ES	-
	68	32	25	7	127	640	0,46	GE 45 ES-2RS	-2LS
	75	43	28	14	156	780	0,80	GEH 45 ES-2RS	-2LS
50	75	35	28	6	156	780	0,56	GE 50 ES	-
	75	35	28	6	156	780	0,56	GE 50 ES-2RS	-2LS
	90	56	36	17	245	1 220	1,60	GEH 50 ES-2RS	-2LS
60	90	44	36	6	245	1 220	1,10	GE 60 ES	-
	90	44	36	6	245	1 220	1,10	GE 60 ES-2RS	-2LS
	105	63	40	17	315	1 560	2,40	GEH 60 ES-2RS	-2LS
70	105	49	40	6	315	1 560	1,55	GE 70 ES	-
	105	49	40	6	315	1 560	1,55	GE 70 ES-2RS	-2LS
	120	70	45	16	400	2 000	3,40	GEH 70 ES-2RS	-2LS
80	120	55	45	6	400	2 000	2,30	GE 80 ES	-
	120	55	45	5	400	2 000	2,30	GE 80 ES-2RS	-2LS
	130	75	50	14	490	2 450	4,10	GEH 80 ES-2RS	-2LS
90	130	60	50	5	490	2 450	2,75	GE 90 ES	-
	130	60	50	5	490	2 450	2,75	GE 90 ES-2RS	-2LS
	150	85	55	15	610	3 050	6,30	GEH 90 ES-2RS	-2LS
100	150	70	55	7	610	3 050	4,40	GE 100 ES	-
	150	70	55	6	610	3 050	4,40	GE 100 ES-2RS	-2LS
	160	85	55	13	655	3 250	6,80	GEH 100 ES-2RS	-2LS
110	160	70	55	6	655	3 250	4,80	GE 110 ES	-
	160	70	55	6	655	3 250	4,80	GE 110 ES-2RS	-2LS
	180	100	70	12	950	4 750	11,0	GEH 110 ES-2RS	-2LS
120	180	85	70	6	950	4 750	8,25	GE 120 ES	-
	180	85	70	6	950	4 750	8,25	GE 120 ES-2RS	-2LS
	210	115	70	16	1 080	5 400	15,0	GEH 120 ES-2RS	-2LS

¹⁾To fully utilize the angle of tilt, the shaft shoulder should not be made larger than $d_{2 \max}$.

²⁾Bearings with an outside diameter $D \geq 150$ mm have the multi-groove system in the outer ring as standard. Bearings with an outside diameter $D < 150$ mm can be supplied with the multi-groove system on request (designation suffix ESL).

Radial spherical plain bearings, steel/steel, metric sizes
d 140 – 300 mm



GE .. ES

GE .. ES-2RS
GE .. ES-2LS

Principal dimensions				Angle of tilt ¹⁾ α	Basic load ratings		Mass	Designations ²⁾	
d	D	B	C		dynamic C	static C ₀		without seals	with standard seals
mm				degrees	kN		kg	-	
140	210	90	70	7	1 080	5 400	11,0	GE 140 ES	-
	210	90	70	7	1 080	5 400	11,0	GE 140 ES-2RS	-2LS
160	230	105	80	8	1 370	6 800	14,0	GE 160 ES	-
	230	105	80	8	1 370	6 800	14,0	GE 160 ES-2RS	-2LS
180	260	105	80	6	1 530	7 650	18,5	GE 180 ES	-
	260	105	80	6	1 530	7 650	18,5	GE 180 ES-2RS	-2LS
200	290	130	100	7	2 120	10 600	28,0	GE 200 ES	-
	290	130	100	7	2 120	10 600	28,0	GE 200 ES-2RS	-2LS
220	320	135	100	8	2 320	11 600	35,5	GE 220 ES-2RS	-2LS
240	340	140	100	8	2 550	12 700	40,0	GE 240 ES-2RS	-2LS
260	370	150	110	7	3 050	15 300	51,5	GE 260 ES-2RS	-2LS
280	400	155	120	6	3 550	18 000	65,0	GE 280 ES-2RS	-2LS
300	430	165	120	7	3 800	19 000	78,5	GE 300 ES-2RS	-2LS

¹⁾To fully utilize the angle of tilt, the shaft shoulder should not be made larger than $d_{2 \max}$.

²⁾Bearings with an outside diameter $D \geq 150$ mm have the multi-groove system in the outer ring as standard.