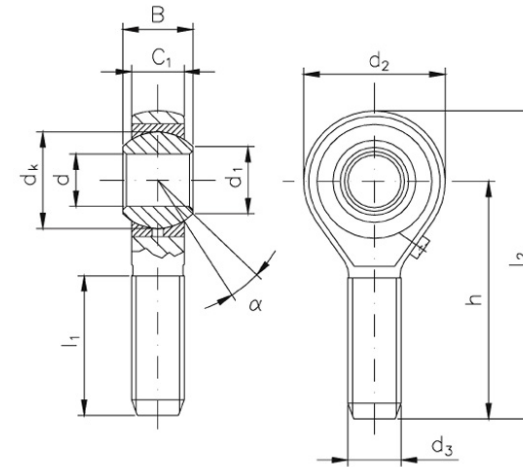


**Mating Materials:**  
**Steel on high-duty bronze**  
**Maintenance required**

Standard  
 DIN ISO 12240-4 dimension  
 series K

- Inner ring:** Antifriction bearing steel, hardened, ground and polished.
- Outer ring:** Swaged around the inner ring, sliding face made of high-duty bronze. Lubricant is distributed via the lubrication groove in the outer ring.
- Housing:** Sizes 3 to 12 free-cutting steel, sizes 14 to 50 tempering steel (standardised), all sizes galvanized and chromatised. The spherical bearing is pressed into the housing and caulked at both sides.
- Lubrication nipple:** Sizes 3 and 5 without lubrication nipple. Sizes 6 to 50 lubrication nipple DIN 3405, shape D. Further lubrication nipple shapes available on request.
- Special versions:**
- Housing heat-treated, for static load capacity C0 see-V
  - Housing made from high-grade tempering steel (heat-treated), for static load capacity C0 see -L



## product group overview

Productnumber	d	d3	B	C1	d1 ~	d2 max.	dk	h	l1 min.	l2 ~	Load ratings stat C0 Standard	Load ratings stat C0 -V	Load ratings stat C0 -L	Tilt angle	Weight
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kN	°	kg
KA 3	3	M3	6	4,50	5,1	15	7,9	27	15	34,0	1	-	-	13	0,005
KAL 3	3	M3LH	6	4,50	5,1	15	7,9	27	15	34,0	1	-	-	13	0,005
KA 5	5	M5	8	6,00	7,7	19	11,1	33	19	42,5	3	-	-	13	0,013
KAL 5	5	M5LH	8	6,00	7,7	19	11,1	33	19	42,5	3	-	-	13	0,013
KA 6	6	M6	9	6,75	8,9	21	12,7	36	21	46,5	4	-	-	13	0,019
KAL 6	6	M6LH	9	6,75	8,9	21	12,7	36	21	46,5	4	-	-	13	0,019
KA 8	8	M8	12	9,00	10,3	25	15,8	42	25	54,5	8	10	17	13	0,032
KAL 8	8	M8LH	12	9,00	10,3	25	15,8	42	25	54,5	8	10	17	13	0,032
KA 10	10	M10	14	10,50	12,9	29	19,0	48	28	62,5	13	17	25	13	0,054
KAL 10	10	M10LH	14	10,50	12,9	29	19,0	48	28	62,5	13	17	25	13	0,054
KA 12	12	M12	16	12,00	15,4	33	22,2	54	32	70,5	21	22	33	13	0,085
KAL 12	12	M12LH	16	12,00	15,4	33	22,2	54	32	70,5	21	22	33	13	0,085
KA 14	14	M14	19	13,50	16,8	37	25,4	60	36	78,5	22	31	44	15	0,125
KAL 14	14	M14LH	19	13,50	16,8	37	25,4	60	36	78,5	22	31	44	15	0,125
KA 16	16	M16	21	15,00	19,3	43	28,5	66	37	87,5	33	43	57	15	0,185
KAL 16	16	M16LH	21	15,00	19,3	43	28,5	66	37	87,5	33	43	57	15	0,185
KA 18	18	M18x1,5	23	16,50	21,8	47	31,7	72	41	95,5	39	49	77	15	0,260

Productnumber	d	d3	B	C1	d1 ~	d2 max.	dk	h	l1 min.	l2 ~	Load ratings stat C0 Standard	Load ratings stat C0 -V	Load ratings stat C0 -L	Tilt angle	Weight
KAL 18	18	M18x1,5LH	23	16,50	21,8	47	31,7	72	41	95,5	39	49	77	15	0,260
KA 20	20	M20x1,5	25	18,00	24,3	51	34,9	78	45	103,5	42	50	78	15	0,340
KAL 20	20	M20x1,5LH	25	18,00	24,3	51	34,9	78	45	103,5	42	50	78	15	0,340
KA 22	22	M22x1,5	28	20,00	25,8	55	38,1	84	48	111,5	54	70	101	15	0,435
KAL 22	22	M22x1,5LH	28	20,00	25,8	55	38,1	84	48	111,5	54	70	101	15	0,435
KA 25	25	M24x2	31	22,00	29,5	61	42,8	94	55	124,5	60	78	131	15	0,590
KAL 25	25	M24x2LH	31	22,00	29,5	61	42,8	94	55	124,5	60	78	131	15	0,590
KA 30	30	M30x2	37	25,00	34,8	71	50,8	110	66	145,5	82	107	182	15	1,060
KAL 30	30	M30x2LH	37	25,00	34,8	71	50,8	110	66	145,5	82	107	182	15	1,060
KA 35	35	M36x2	43	28,00	37,7*	81	57,0	140	85	180,5	96	-	-	16	1,640
KAL 35	35	M36x2LH	43	28,00	37,7*	81	57,0	140	85	180,5	96	-	-	16	1,640
KA 40	40	M42x2	49	33,00	45,2*	91	66,0	150	90	195,5	132	-	-	17	2,300
KAL 40	40	M42x2LH	49	33,00	45,2*	91	66,0	150	90	195,5	132	-	-	17	2,300
KA 50	50	M48x2	60	45,00	56,6*	117	82,0	185	105	243,5	209	-	-	12	4,800
KAL 50	50	M48x2LH	60	45,00	56,6*	117	82,0	185	105	243,5	209	-	-	12	4,800

\*) deviates from standard

-) not available