

Mating Materials:
Steel on high-duty bronze
Maintenance required

Standard
DIN ISO 12240-4
dimension series K

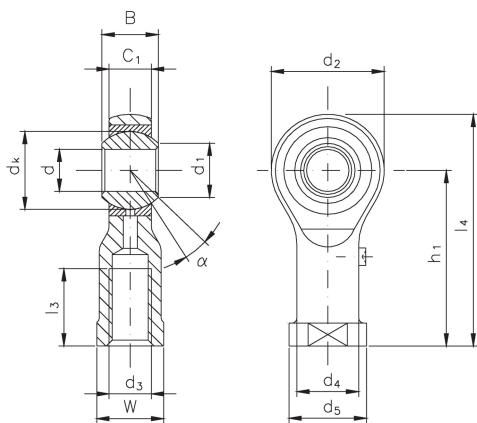
Inner ring: Antifriction bearing steel, hardened, ground and polished.

Outer ring: 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.

Female thread

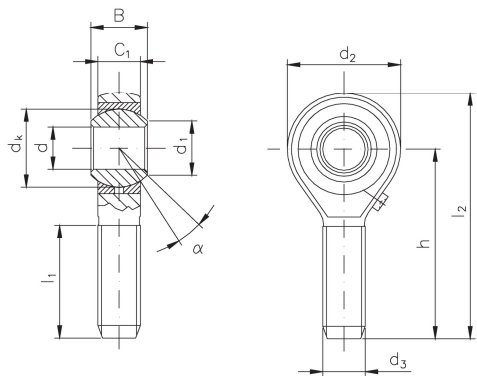


Designation		d	d ₃	B	C ₁	d ₁ ≈
Righthand thread	Lefthand thread	mm	mm	mm	mm	mm
KI 3	KIL 3	3	M3	6	4,50	5,1
KI 5	KIL 5	5	M5	8	6,00	7,7
KI 5-M4**		5	M4	8	6,00	7,7
KI 6	KIL 6	6	M6	9	6,75	8,9
KI 8	KIL 8	8	M8	12	9,00	10,3
KI 10	KIL 10	10	M10	14	10,50	12,9
KI 10-M10x1,25**		10	M10x1,25	14	10,50	12,9
KI 12	KIL 12	12	M12	16	12,00	15,4
KI 12-M12x1,25**		12	M12x1,25	16	12,00	15,4
KI 14	KIL 14	14	M14	19	13,50	16,8
KI 16	KIL 16	16	M16	21	15,00	19,3
KI 16-M16x1,5**		16	M16x1,5	21	15,00	19,3
KI 18	KIL 18	18	M18x1,5	23	16,50	21,8
KI 20	KIL 20	20	M20x1,5	25	18,00	24,3
KI 22	KIL 22	22	M22x1,5	28	20,00	25,8
KI 25	KIL 25	25	M24x2	31	22,00	29,5
KI 30	KIL 30	30	M30x2	37	25,00	34,8
KI 30-M27x2**		30	M27x2	37	25,00	34,8
KI 35	KIL 35	35	M36x2	43	28,00	37,7*
KI 40	KIL 40	40	M42x2	49	33,00	45,2*
KI 50	KIL 50	50	M48x2	60	45,00	56,6*

*) deviates from standard

**) connecting thread acc. to CETOP norm for pneumatic cylinder

Male thread



Designation		d	d ₃	B	C ₁	d ₁ ≈
Righthand thread	Lefthand thread	mm	mm	mm	mm	mm
KA 3	KAL 3	3	M3	6	4,50	5,1
KA 5	KAL 5	5	M5	8	6,00	7,7
KA 6	KAL 6	6	M6	9	6,75	8,9
KA 8	KAL 8	8	M8	12	9,00	10,3
KA 10	KAL 10	10	M10	14	10,50	12,9
KA 12	KAL 12	12	M12	16	12,00	15,4
KA 14	KAL 14	14	M14	19	13,50	16,8
KA 16	KAL 16	16	M16	21	15,00	19,3
KA 18	KAL 18	18	M18x1,5	23	16,50	21,8
KA 20	KAL 20	20	M20x1,5	25	18,00	24,3
KA 22	KAL 22	22	M22x1,5	28	20,00	25,8
KA 25	KAL 25	25	M24x2	31	22,00	29,5
KA 30	KAL 30	30	M30x2	37	25,00	34,8
KA 35	KAL 35	35	M36x2	43	28,00	37,7*
KA 40	KAL 40	40	M42x2	49	33,00	45,2*
KA 50	KAL 50	50	M48x2	60	45,00	56,6*

*) deviates from standard