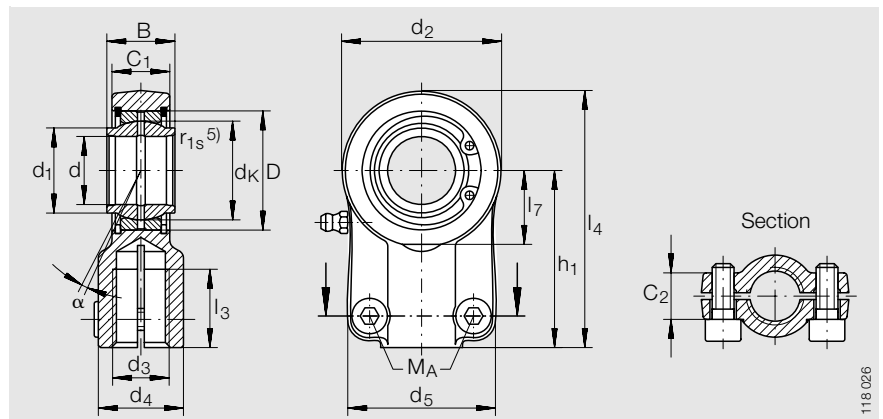


Hydraulic rod ends

requiring maintenance
DIN 24338, ISO 6982
Sliding contact surface:
Steel/steel

Series GIHN-K..LO



GIHN-K..LO ($d \leq 50$ mm)

Dimension table · Dimensions in mm

Shaft diameter d	Designation ¹⁾	Mass ≈kg	Dimensions									
			d ²⁾	D	B	d _K	d ₁	d ₂	d ₃	d ₄	h ₁	C ₁
12	GIHN-K 12 LO ²⁾⁴⁾	0,1	12 ^{+0,018}	22	12 _{-0,18}	18	15,5	32	M 12×1,25	16,5	38	10,6
16	GIHN-K 16 LO ⁴⁾	0,2	16 ^{+0,018}	28	16 _{-0,18}	23	20	40	M 14×1,5	21	44	13
20	GIHN-K 20 LO	0,4	20 ^{+0,021}	35	20 _{-0,21}	29	25	47	M 16×1,5	25	52	17
25	GIHN-K 25 LO	0,66	25 ^{+0,021}	42	25 _{-0,21}	35,5	30,5	58	M 20×1,5	30	65	21
32	GIHN-K 32 LO	1,2	32 ^{+0,025}	52	32 _{-0,25}	44	38	70	M 27×2	38	80	27
40	GIHN-K 40 LO ⁵⁾	2,1	40 ^{+0,025}	62	40 _{-0,25}	53	46	89	M 33×2	47	97	32
50	GIHN-K 50 LO ⁶⁾	4,4	50 ^{+0,025}	75	50 _{-0,25}	66	57	108	M 42×2	58	120	40
63	GIHN-K 63 LO ⁶⁾	7,6	63 ^{+0,03}	95	63 _{-0,3}	83	71,5	132	M 48×2	70	140	52
70	GIHN-K 70 LO ³⁾⁶⁾⁷⁾	9,5	70 ^{+0,03}	105	70 _{-0,3}	92	79	155	M 56×2	80	160	57
80	GIHN-K 80 LO ⁶⁾	14,5	80 ^{+0,03}	120	80 _{-0,3}	105	91	168	M 64×3	90	180	66
90	GIHN-K 90 LO ³⁾⁶⁾	17	90 ^{+0,035}	130	90 _{-0,35}	115	99	185	M 72×3	100	195	72
100	GIHN-K 100 LO	28	100 ^{+0,035}	150	100 _{-0,35}	130	113	210	M 80×3	110	210	84
110	GIHN-K 110 LO ³⁾	32	110 ^{+0,035}	160	110 _{-0,35}	140	124	235	M 90×3	125	235	88
125	GIHN-K 125 LO	43	125 ^{+0,04}	180	125 _{-0,4}	160	138	262	M100×3	135	260	102
160	GIHN-K 160 LO ⁷⁾	80	160 ^{+0,04}	230	160 _{-0,4}	200	177	326	M125×4	165	310	130
200	GIHN-K 200 LO ⁷⁾	165	200 ^{+0,046}	290	200 _{-0,46}	250	221	418	M160×4	215	390	162

¹⁾ Bore tolerance: H7 (arithmetic mean value).

²⁾ No relubrication facility.

³⁾ Not included in DIN 24338.

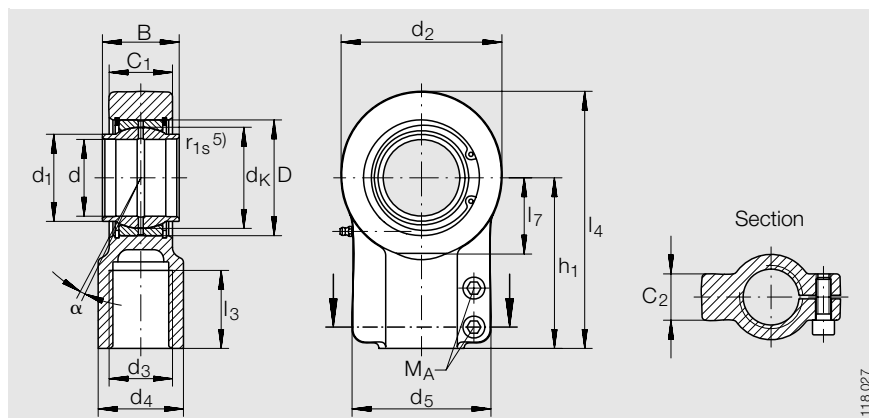
⁴⁾ Cylindrical throughout.

⁵⁾ Values in dimension table, page 113.

⁶⁾ Thread runout or thread groove at manufacturer's discretion.

⁷⁾ Price and delivery on request.

⁸⁾ Basic load rating of housing.



GIHN-K..LO ($d \geq 63 \text{ mm}$)

						Basic load ratings		Radial internal clearance	Nominal cylinder force kN	Fixing screws EN ISO 4 762	Tightening torque M_A Nm	Shaft diameter d
α Degrees	l_3	l_4	l_7	d_5	C_2	dyn. C_r N	stat. $C_{0r}^{(8)}$ N					
4	17	54	14	32	10,6	10 800	24 000	0,023 – 0,068	8	M 5× 12	8	12
4	19	64	18	40	13	17 600	35 300	0,030 – 0,082	12,5	M 6× 16	13	16
4	23	75,2	22	47	17	30 000	41 400	0,030 – 0,082	20	M 8× 20	32	20
4	29	94	27	54	17	48 000	69 900	0,037 – 0,1	32	M 8× 20	32	25
4	37	115	32	66	22	67 000	98 800	0,037 – 0,1	50	M10× 25	64	32
4	46	141,5	41	80	26	100 000	175 000	0,043 – 0,12	80	M10× 25	64	40
4	57	174	50	96	32	156 000	268 000	0,043 – 0,12	125	M12× 30	110	50
4	64	211	62	114	38	255 000	320 000	0,055 – 0,142	200	M12× 35	80	63
4	76	245	70	135	42	315 000	475 000	0,055 – 0,142	250	M16× 40	195	70
4	86	270	78	148	48	400 000	527 000	0,055 – 0,142	320	M16× 45	195	80
4	91	296	85	160	52	490 000	660 000	0,055 – 0,142	400	M16× 50	195	90
4	96	322	98	178	62	610 000	840 000	0,065 – 0,165	500	M20× 60	385	100
4	106	364	105	190	62	655 000	1 100 000	0,065 – 0,165	635	M20× 60	385	110
4	113	405	120	200	72	950 000	1 393 000	0,065 – 0,165	800	M20× 70	385	125
4	126	488	150	250	82	1 370 000	2 080 000	0,065 – 0,192	1 250	M24× 80	660	160
4	161	620	195	320	102	2 120 000	3 456 000	0,065 – 0,192	2 000	M30× 100	1 350	200

