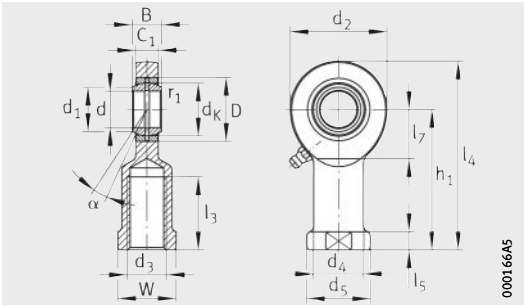


Rod ends

With internal thread, requiring maintenance
DIN ISO 12240-4, dimension series E, type F
Open or sealed



GIR..-DO
Steel/steel

Dimension table - Dimensions in mm

Designation ¹⁾			Mass m ≈kg	Dimensions						
Open	Sealed			d	D	B	d _K	d ₁	d ₂	d ₃
GIR6-DO ⁵⁾	–	–	0,023	6 _{–0,008}	14	6 _{–0,12}	10	8	21	M6
GIR8-DO ⁵⁾	–	–	0,039	8 _{–0,008}	16	8 _{–0,12}	13	10,2	24	M8
GIR10-DO ⁵⁾	–	–	0,066	10 _{–0,008}	19	9 _{–0,12}	16	13,2	29	M10
GIR12-DO ⁵⁾	–	–	0,1	12 _{–0,008}	22	10 _{–0,12}	18	14,9	34	M12
GIR15-DO ⁶⁾	–	–	0,18	15 _{–0,008}	26	12 _{–0,12}	22	18,4	40	M14
GIR17-DO ⁶⁾	GIR17-DO-2RS ⁶⁾	–	0,25	17 _{–0,008}	30	14 _{–0,12}	25	20,7	46	M16
GIR20-DO ⁶⁾	GIR20-DO-2RS ⁶⁾	–	0,36	20 _{–0,01}	35	16 _{–0,12}	29	24,2	53	M20×1,5
GIR25-DO	GIR25-DO-2RS	–	0,66	25 _{–0,01}	42	20 _{–0,12}	35,5	29,3	64	M24×2
GIR30-DO	GIR30-DO-2RS	GIR30-DO-2TS	0,98	30 _{–0,01}	47	22 _{–0,12}	40,7	34,2	73	M30×2
–	GIR35-DO-2RS	GIR35-DO-2TS	1,43	35 _{–0,012}	55	25 _{–0,12}	47	39,8	82	M36×3
–	GIR40-DO-2RS	GIR40-DO-2TS	2,1	40 _{–0,012}	62	28 _{–0,12}	53	45	92	M39×3 ⁷⁾
–	GIR45-DO-2RS	GIR45-DO-2TS	2,7	45 _{–0,012}	68	32 _{–0,12}	60	50,8	102	M42×3 ⁷⁾
–	GIR50-DO-2RS	GIR50-DO-2TS	3,54	50 _{–0,012}	75	35 _{–0,12}	66	56	112	M45×3 ⁷⁾
–	GIR60-DO-2RS	GIR60-DO-2TS	5,6	60 _{–0,015}	90	44 _{–0,15}	80	66,8	135	M52×3 ⁷⁾
–	GIR70-DO-2RS	GIR70-DO-2TS	8,62	70 _{–0,015}	105	49 _{–0,15}	92	77,9	160	M56×4 ⁷⁾
–	GIR80-DO-2RS	GIR80-DO-2TS	13,2	80 _{–0,015}	120	55 _{–0,15}	105	89,4	180	M64×4 ⁷⁾

1) For a left hand thread, the R in the designation is replaced by an L, for example GIL6-DO.

2) The values for the tilt angle α are subject to tolerances.

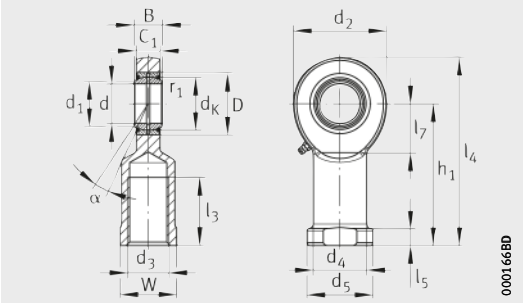
3) Basic load rating of housing.

4) This differs from DIN ISO 12240-4, dimension series E.

5) No relubrication facility.

6) No taper type lubrication nipple.
Relubrication via lubrication hole in housing.

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



GIR...DO-2RS, GIR...DO-2TS
Steel/steel

										Chamfer dimension	Basic load ratings		Radial internal clearance ⁴⁾
d_4	h_1	C_1	$\alpha^{2)}$ °	l_3	l_4	l_5	l_7	d_5	W	r_1 min.	dyn. C_r N	stat. $C_{0r}^{3)}$ N	Group N (CN)
10	30	4,4	13	11	40,5	5	12	13	11	0,3	3 400	10 300	0,023 – 0,068
12,5	36	6	15	15	48	5	14	16	14	0,3	5 590	16 000	0,023 – 0,068
15	43	7	12	20	57,5	6,5	15	19	17	0,3	8 160	22 000	0,023 – 0,068
17,5	50	8	11	23	67	6,5	18	22	19	0,3	10 800	30 400	0,023 – 0,068
21	61	10	8	30	81	8	20	26	22	0,3	16 900	44 800	0,030 – 0,082
24	67	11	10	34	90	10	23	30	27	0,3	21 300	56 500	0,030 – 0,082
27,5	77	13	9	40	103,5	10	27	35	32	0,3	29 600	75 600	0,030 – 0,082
33,5	94	17	7	48	126	12	32	42	36	0,6	48 300	88 300	0,037 – 0,1
40	110	19	6	56	146,5	15	37	50	41	0,6	62 300	119 000	0,037 – 0,1
47	125	21	6	60	166	15	42	58	50	0,6	79 900	159 000	0,037 – 0,1
52	142	23	7	65	188	18	48	65	55	0,6	99 100	194 000	0,043 – 0,12
58	145	27	7	65	196	20	52	70	60	0,6	128 000	259 000	0,043 – 0,12
62	160	30	6	68	216	20	60	75	65	0,6	157 000	314 000	0,043 – 0,12
70	175	38	6	70	242,5	20	75	88	75	1	245 000	485 000	0,043 – 0,12
80	200	42	6	80	280	20	87	98	85	1	313 000	564 000	0,055 – 0,142
95	230	47	6	85	320	25	100	110	100	1	402 000	690 000	0,055 – 0,142

