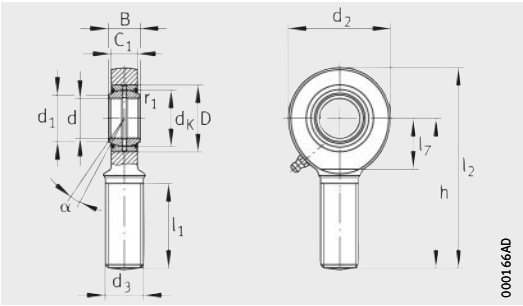


Rod ends

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



GAR...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
GAR6-DO⁵⁾	–	–	0,018	6_{–0,008}	14	6 _{–0,12}	10	8	21
GAR8-DO⁵⁾	–	–	0,033	8_{–0,008}	16	8 _{–0,12}	13	10,2	24
GAR10-DO⁵⁾	–	–	0,056	10_{–0,008}	19	9 _{–0,12}	16	13,2	29
GAR12-DO⁵⁾	–	–	0,086	12_{–0,008}	22	10 _{–0,12}	18	14,9	34
GAR15-DO⁶⁾	–	–	0,15	15_{–0,008}	26	12 _{–0,12}	22	18,4	40
GAR17-DO⁶⁾	GAR17-DO-2RS⁶⁾	–	0,21	17_{–0,008}	30	14 _{–0,12}	25	20,7	46
GAR20-DO⁶⁾	GAR20-DO-2RS⁶⁾	–	0,33	20_{–0,01}	35	16 _{–0,12}	29	24,2	53
GAR25-DO	GAR25-DO-2RS	–	0,6	25_{–0,01}	42	20 _{–0,12}	35,5	29,3	64
GAR30-DO	GAR30-DO-2RS	GAR30-DO-2TS	0,95	30_{–0,01}	47	22 _{–0,12}	40,7	34,2	73
–	GAR35-DO-2RS	GAR35-DO-2TS	1,53	35_{–0,012}	55	25 _{–0,12}	47	39,8	82
–	GAR40-DO-2RS	GAR40-DO-2TS	1,97	40_{–0,012}	62	28 _{–0,12}	53	45	92
–	GAR45-DO-2RS	GAR45-DO-2TS	2,66	45_{–0,012}	68	32 _{–0,12}	60	50,8	102
–	GAR50-DO-2RS	GAR50-DO-2TS	3,53	50_{–0,012}	75	35 _{–0,12}	66	56	112
–	GAR60-DO-2RS	GAR60-DO-2TS	5,92	60_{–0,015}	90	44 _{–0,15}	80	66,8	135
–	GAR70-DO-2RS	GAR70-DO-2TS	8,51	70_{–0,015}	105	49 _{–0,15}	92	77,9	160
–	GAR80-DO-2RS	GAR80-DO-2TS	12,5	80_{–0,015}	120	55 _{–0,15}	105	89,4	180

1) For a left hand thread, the R in the designation is replaced by an L, for example GAL6-DO.

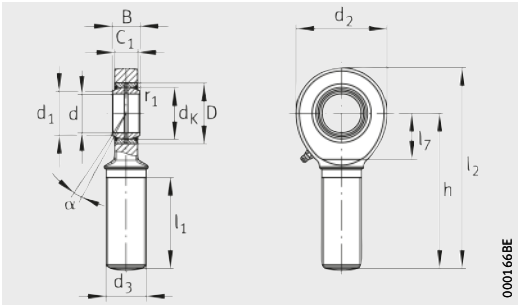
2) The values for the tilt angle α are subject to tolerances.

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.



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

							Chamfer dimension r_1 min.	Basic load ratings		Radial internal clearance ⁴⁾ Group N (CN)
d_3	h	C_1	$\alpha^{2)}$ °	l_1	l_2	l_7		dyn. C_r N	stat. $C_{0r}^{3)}$ N	
M6	36	4,4	13	18	46,5	12	0,3	3 400	6 930	0,023 – 0,068
M8	42	6	15	22	54	14	0,3	5 590	12 900	0,023 – 0,068
M10	48	7	12	26	62,5	15	0,3	8 160	20 600	0,023 – 0,068
M12	54	8	11	28	71	18	0,3	10 800	30 200	0,023 – 0,068
M14	63	10	8	34	83	20	0,3	16 900	41 600	0,030 – 0,082
M16	69	11	10	36	92	23	0,3	21 300	56 500	0,030 – 0,082
M20×1,5	78	13	9	43	104,5	27	0,3	29 600	75 600	0,030 – 0,082
M24×2	94	17	7	53	126	32	0,6	48 300	88 300	0,037 – 0,1
M30×2	110	19	6	65	146,5	37	0,6	62 300	119 000	0,037 – 0,11
M36×3	140	21	6	82	181	42	0,6	79 900	159 000	0,037 – 0,1
M39×3	150	23	7	86	196	48	0,6	99 100	194 000	0,043 – 0,12
M42×3	163	27	7	94	214	52	0,6	128 000	259 000	0,043 – 0,12
M45×3	185	30	6	107	241	60	0,6	157 000	314 000	0,043 – 0,12
M52×3	210	38	6	115	277,5	75	1	245 000	485 000	0,043 – 0,12
M56×4	235	42	6	125	315	87	1	313 000	564 000	0,055 – 0,142
M64×4	270	47	6	140	360	100	1	402 000	690 000	0,055 – 0,142

