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Rod Ends • DIN 12240-4, with female thread
EH 22982.



Product Description

Rod ends are suitable for universal use in applications subject to dynamic loads. As well as use in corrosion-risk areas, the design in stainless steel can also be used under higher dynamic loads. Rod ends are used for bearings where movements between shaft and housing are necessary, and where the movements are not in a straight line.
Rod ends are ready-to-install elements manufactured to DIN ISO 12240-4 (dimension series K). The PTFE fabric inserted into the bearing shell means that the rod ends are maintenance-free.

Material

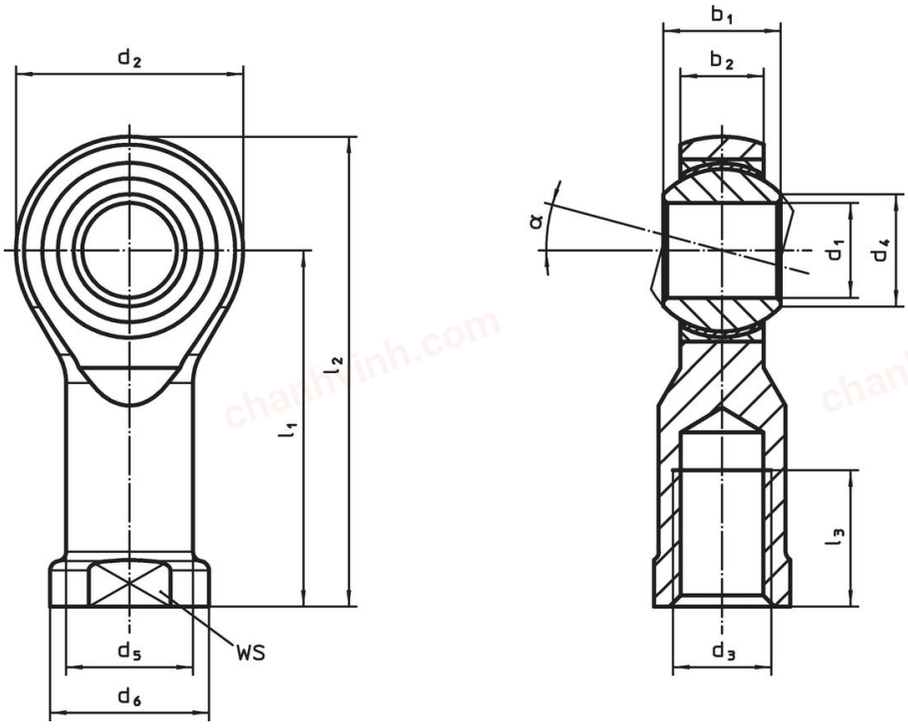
Body
- Free cutting steel, turned, zinc-plated
- Stainless steel 1.4057, forged, polished

Joint ball
- Roller bearing steel, hardened, ground, polished
- Stainless steel 1.4034, hardened, ground, polished

Bearing
- PTFE fabric

Bearing shell
- Free cutting steel, zinc-plated by galvanization
- Stainless steel 1.4571

Drawing



Order information

Dimensions											α	WS	Dynamic carrying figure C	Static carrying figure C_0	min.	max.		Art. No.
d_1	l_1	b_1	b_2	d_2	d_3	d_4	d_5	d_6	l_2	l_3								
[mm]												[mm]	[kN]	[kN]	[°C]		[g]	
right hand thread, Free cutting steel																		
5	**27**	8	6.00	18	M 5	7.7	9.0	11	36	10	13°	9	7.5	8.0	-50	150	18	22982.0202
6	**30**	9	6.75	20	M 6	8.9	10.0	13	40	12	13°	11	9.3	8.9	-50	150	26	22982.0204
8	**36**	12	9.00	24	M 8	10.4	12.5	16	48	16	14°	13	16.7	14.1	-50	150	47	22982.0206

Dimensions											α	WS	Dynamic carrying figure C	Static carrying figure C_0	min.	max.		Art. No.
d_1	l_1	b_1	b_2	d_2	d_3	d_4	d_5	d_6	l_2	l_3		[mm]	[kN]	[kN]	[°C]		[g]	
10	**43**	14	10.50	28	M10	12.9	15.0	19	57	20	13°	17	23.4	19.3	-50	150	76	22982.0208
12	**50**	16	12.00	32	M12	15.4	17.5	22	66	22	13°	19	32.0	23.5	-50	150	113	22982.0210
14	**57**	19	13.50	36	M14	16.8	20.0	25	75	25	16°	22	42.0	21.0	-50	150	165	22982.0212
16	**64**	21	15.00	42	M16	19.3	22.0	27	85	28	15°	22	52.5	32.0	-50	150	235	22982.0214
18	**71**	23	16.50	46	M18 x 1,5	21.8	25.0	31	94	32	15°	27	64.0	38.5	-50	150	317	22982.0216
20	**77**	25	18.00	50	M20 x 1,5	24.3	27.5	34	102	33	14°	32	78.0	44.0	-50	150	413	22982.0218
22	**84**	28	20.00	54	M22 x 1,5	25.8	30.0	37	111	37	15°	32	97.0	53.0	-50	150	528	22982.0220
25	**94**	31	22.00	60	M24 x 2	29.6	33.5	42	124	42	15°	36	122.0	62.0	-50	150	725	22982.0222
right hand thread, Stainless steel																		
5	**27**	8	6.00	18	M 5	7.7	9.0	11	36	10	13°	9	7.5	11.8	-50	150	19	22982.0402
6	**30**	9	6.75	20	M 6	8.9	10.0	13	40	12	13°	11	9.3	13.1	-50	150	26	22982.0404
8	**36**	12	9.00	24	M 8	10.4	12.5	16	48	16	14°	13	16.7	20.7	-50	150	45	22982.0406
10	**43**	14	10.50	28	M10	12.9	15.0	19	57	20	13°	17	23.4	28.3	-50	150	74	22982.0408
12	**50**	16	12.00	32	M12	15.4	17.5	22	66	22	13°	19	32.0	34.5	-50	150	111	22982.0410
14	**57**	19	13.50	36	M14	16.8	20.0	25	75	25	16°	22	42.0	39.5	-50	150	165	22982.0412
16	**64**	21	15.00	42	M16	19.3	22.0	27	85	28	15°	22	52.5	60.5	-50	150	223	22982.0414
18	**71**	23	16.50	46	M18 x 1,5	21.8	25.0	31	94	32	15°	27	64.0	73.0	-50	150	316	22982.0416
20	**77**	25	18.00	50	M20 x 1,5	24.3	27.5	34	102	33	14°	32	78.0	83.0	-50	150	402	22982.0418
22	**84**	28	20.00	54	M22 x 1,5	25.8	30.0	37	111	37	15°	32	97.0	100.0	-50	150	517	22982.0420
25	**94**	31	22.00	60	M24 x 2	29.6	33.5	42	124	42	15°	36	122.0	118.0	-50	150	715	22982.0422
left hand thread, Free cutting steel																		
5	**27**	8	6.00	18	M 5	7.7	9.0	11	36	10	13°	9	7.5	8.0	-50	150	19	22982.0224
6	**30**	9	6.75	20	M 6	8.9	10.0	13	40	12	13°	11	9.3	8.9	-50	150	26	22982.0226
8	**36**	12	9.00	24	M 8	10.4	12.5	16	48	16	14°	13	16.7	14.1	-50	150	47	22982.0228
10	**43**	14	10.50	28	M10	12.9	15.0	19	57	20	13°	17	23.4	19.3	-50	150	76	22982.0230
12	**50**	16	12.00	32	M12	15.4	17.5	22	66	22	13°	19	32.0	23.5	-50	150	113	22982.0232
14	**57**	19	13.50	36	M14	16.8	20.0	25	75	25	16°	22	42.0	21.0	-50	150	164	22982.0234
16	**64**	21	15.00	42	M16	19.3	22.0	27	85	28	15°	22	52.5	32.0	-50	150	235	22982.0236
18	**71**	23	16.50	46	M18 x 1,5	21.8	25.0	31	94	32	15°	27	64.0	38.5	-50	150	318	22982.0238
20	**77**	25	18.00	50	M20 x 1,5	24.3	27.5	34	102	33	14°	32	78.0	44.0	-50	150	416	22982.0240
22	**84**	28	20.00	54	M22 x 1,5	25.8	30.0	37	111	37	15°	32	97.0	53.0	-50	150	526	22982.0242
25	**94**	31	22.00	60	M24 x 2	29.6	33.5	42	124	42	15°	36	122.0	62.0	-50	150	716	22982.0244
left hand thread, Stainless steel																		
5	**27**	8	6.00	18	M 5	7.7	9.0	11	36	10	13°	9	7.5	11.8	-50	150	19	22982.0424
6	**30**	9	6.75	20	M 6	8.9	10.0	13	40	12	13°	11	9.3	13.1	-50	150	24	22982.0426
8	**36**	12	9.00	24	M 8	10.4	12.5	16	48	16	14°	13	16.7	20.7	-50	150	46	22982.0428
10	**43**	14	10.50	28	M10	12.9	15.0	19	57	20	13°	17	23.4	28.3	-50	150	74	22982.0430
12	**50**	16	12.00	32	M12	15.4	17.5	22	66	22	13°	19	32.0	34.5	-50	150	112	22982.0432
14	**57**	19	13.50	36	M14	16.8	20.0	25	75	25	16°	22	42.0	39.5	-50	150	165	22982.0434
16	**64**	21	15.00	42	M16	19.3	22.0	27	85	28	15°	22	52.5	60.5	-50	150	224	22982.0436
18	**71**	23	16.50	46	M18 x 1,5	21.8	25.0	31	94	32	15°	27	64.0	73.0	-50	150	309	22982.0438
20	**77**	25	18.00	50	M20 x 1,5	24.3	27.5	34	102	33	14°	32	78.0	83.0	-50	150	400	22982.0440
22	**84**	28	20.00	54	M22 x 1,5	25.8	30.0	37	111	37	15°	32	97.0	100.0	-50	150	521	22982.0442
25	**94**	31	22.00	60	M24 x 2	29.6	33.5	42	124	42	15°	36	122.0	118.0	-50	150	713	22982.0444

Compliance

For detailed compliance information please select the desired article number.