TESNO
ROD ENDS - SPHERICAL BEARINGS

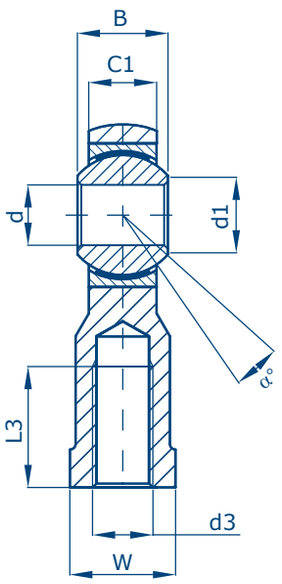
Series
CFPX

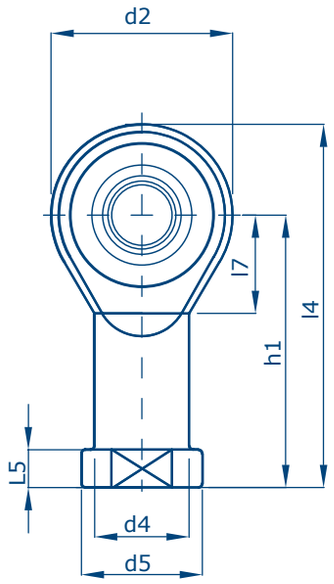
SELF-LUBRICATING ROD ENDS
STAINLESS STEEL Version

DIN ISO 12240-4 Series K Female thread

Coupling: stainless steel/PTFE

Application: precision engineering, suitable for oxidizing and corrosive environments





Dimensions mm

DESIGNATION	d H7	d3 6H	B	C1	d1	d2	d4	d5	dk	h1	L3	L4	L5	L7	W	static radial load Co.(daN)	α° pivoting angle ≈	weight ≈ (kg)
CFPX5 M5	5	M5	8	6	7,7	18	9	11	11	27	10	36	4	10	9	600	13	0,019
CFPX6 M6	6	M6	9	6,8	8,9	20	10	13	13	30	12	40	5	11	11	700	13	0,026
CFPX8 M8	8	M8	12	9	10,4	24	13	16	16	36	16	48		13	14	1200	14	0,046
CFPX10 M10	10	M10	14	11	12,9	28	15	19	19	43	20	57	6,5	15	17	1400	13	0,074
CFPX12 M12	12	M12	16	12	15,4	32	18	22	22	50	22	66	6,5	17	19	1900	13	0,111
CFPX14 M14	14	M14	19	14	16,8	36	20	25	25	57	25	75	8	19	22	3600	15	0,156
CFPX16 M16	16	M16	21	15	19,3	42	22	27	29	64	28	85	8	23	22	4800	15	0,231
CFPX18 M18x1,5	18	M18x1,5	23	17	21,8	46	25	31	32	71	32	94	10	25	27	5100	15	0,295
CFPX20 M20	20	M20	25	18	24,3	50	28	34	35	77	33	102	10	27	30	5200	14	0,402

For left-hand thread add "L" (ex. CFPXL8 M8)
Technical reading from page 9 to page 15

MATERIAL

Support:
stainless steel
X5CrNi1810
(1.4301 - AISI 304)

Inner ring:
stainless steel
X46Cr13
(1.4034 - AISI 420)

Outer ring:
stainless steel
X5CrNi1810
(1.4301 - AISI 304) with PTFE bonded on the inner surface

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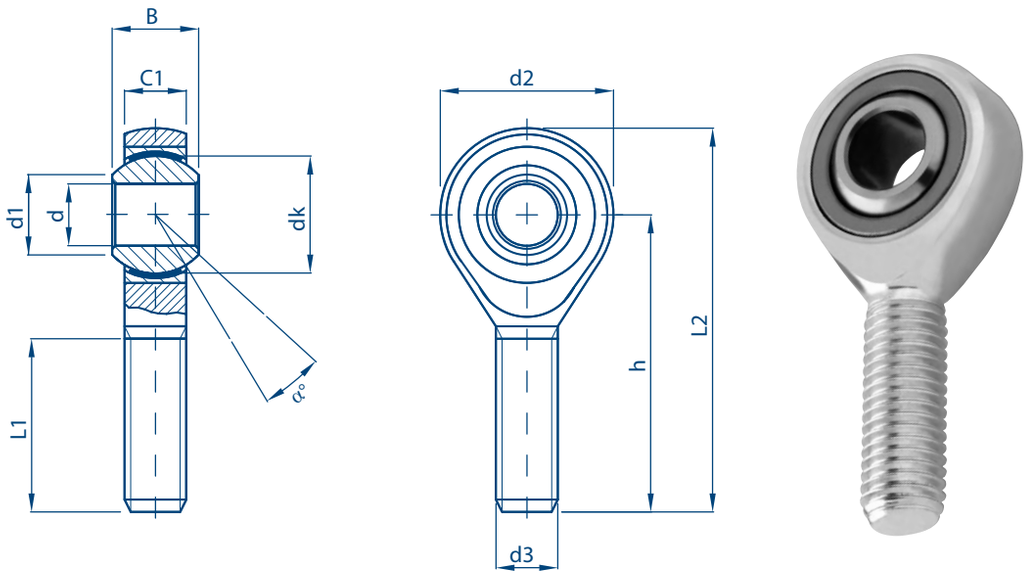
DIN ISO 12240-4 Series K Male thread

Coupling: stainless steel/PTFE

Application: precision engineering, suitable for oxidizing and corrosive environments



Dimensions mm

DESIGNATION	d H7	d3 6g	B	C1	d1	d2	dk	h	L1	L2	static radial load Co.(daN)	α° pivoting angle ≈	weight ≈ (kg)
CMPX5 M5	5	M5	8	6	7,7	18	11,11	33	19	42	300	13	0,015
CMPX6 M6	6	M6	9	6,75	8,9	20	12,7	36	21	46	400	13	0,021
CMPX8 M8	8	M8	12	9	10,4	24	15,87	42	25	54	800	14	0,040
CMPX10 M10	10	M10	14	10,5	12,9	28	19,05	48	28	62	1300	13	0,064
CMPX12 M12	12	M12	16	12	15,4	32	22,22	54	32	70	1700	13	0,097
CMPX14 M14	14	M14	19	13,5	16,8	36	25,4	60	36	78	3600	15	0,13
CMPX16 M16	16	M16	21	15	19,3	42	28,57	66	37	87	4800	15	0,208
CMPX16 M16x1,5	16	M16x1,5	21	15	19,3	42	28,57	66	37	87	4800	15	0,208
CMPX18 M18x1,5	18	M18x1,5	23	16,5	21,8	46	31,75	72	41	95	5100	15	0,260
CMPX20 M20	20	M20	25	19	24,3	50	34,52	78	45	103	5200	14	0,367

For left-hand thread add "L" (ex. CMPXL8 M8)

Technical reading from page 9 to page 15

MATERIAL

Support:
stainless steel
X5CrNi1810
(1.4301 - AISI 304)

Inner ring:
stainless steel
X46Cr13
(1.4034 - AISI 420)

Outer ring:
stainless steel
X5CrNi1810
(1.4301 - AISI 304) with PTFE bonded on the inner surface

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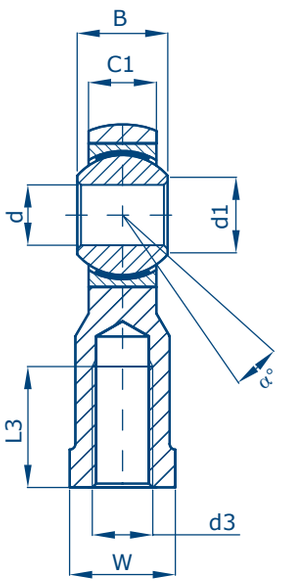
TESNO® ROD ENDS – SPHERICAL BEARINGS

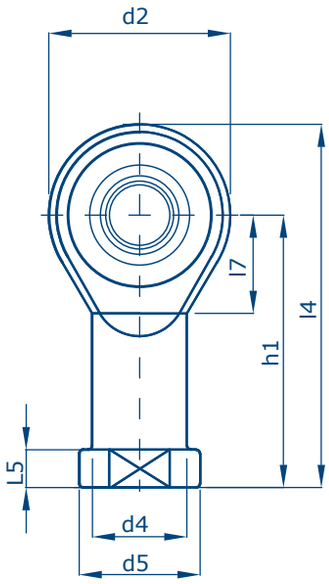
Series **CFPX**

SELF-LUBRICATING ROD ENDS
STAINLESS STEEL Version

DIN ISO 12240-4 Series K ISO 8139 (CETOP) Female thread for pneumatic cylinders

Coupling: stainless steel/PTFE
Application: precision engineering, suitable for oxidizing and corrosive environments





Dimensions mm

DESIGNATION	CYLINDER Ø	d H7	d3 6H	B	C1	d1	d2	d4	d5	dk	h	L3	L4	L5	L7	W	static radial load Co.(daN)	α° pivoting angle ≈	weight ≈ (kg)
CFPX5 M4	8-10	5	M4	8	6	7,7	18	9	11	11,11	27	10	36	4	10	9	600	13	0,02
CFPX6 M6	12-16	6	M6	9	6,75	8,9	20	10	13	12,7	30	12	40	5	11	11	700	13	0,025
CFPX8 M8	20	8	M8	12	9	10,4	24	12,5	16	15,87	36	16	48	5	13	14	1200	14	0,046
CFPX10 M10x1,25	25-32	10	M10x1,25	14	10,5	12,9	28	15	19	19,05	43	20	57	6,5	15	17	1400	13	0,075
CFPX12 M12x1,25	40-50	12	M12x1,25	16	12	15,4	32	17,5	22	22,22	50	22	66	6,5	17	19	1900	13	0,112
CFPX16 M16x1,5	50-63	16	M16x1,5	21	15	19,3	42	22	27	28,57	64	28	85	8	23	22	4800	15	0,222
CFPX20 M20x1,5	80-100	20	M20x1,5	25	18	24,3	50	27,5	34	34,92	77	33	102	10	27	30	5200	14	0,406
CFPX25 M24x2	125	25	M24x2	31	22	29,5	60	33,5	42	42,85	94	42	124	12	32	36	8500	15	0,65
CFPX30 M27x2	125	30	M27x2	37	25	34,8	70	40	50	50,8	110	51	145	15	36	41	10800	17	1,119
CFPX35 M36x2	160-200	35	M36x2	43*	28	37,7*	80	46,0*	58*	57,15	125	56	165	17,0*	41	50	12400	16	1,595

**no standard dimension*

For left-hand thread add "L" (ex. CFPXL8 M8)
Technical reading from page 9 to page 15

MATERIAL

Support:
stainless steel
X5CrNi1810
(1.4301 - AISI 304)

Inner ring:
stainless steel
X46Cr13
(1.4034 - AISI 420)

Outer ring:
stainless steel
X5CrNi1810
(1.4301 - AISI 304) with PTFE bonded on the inner surface

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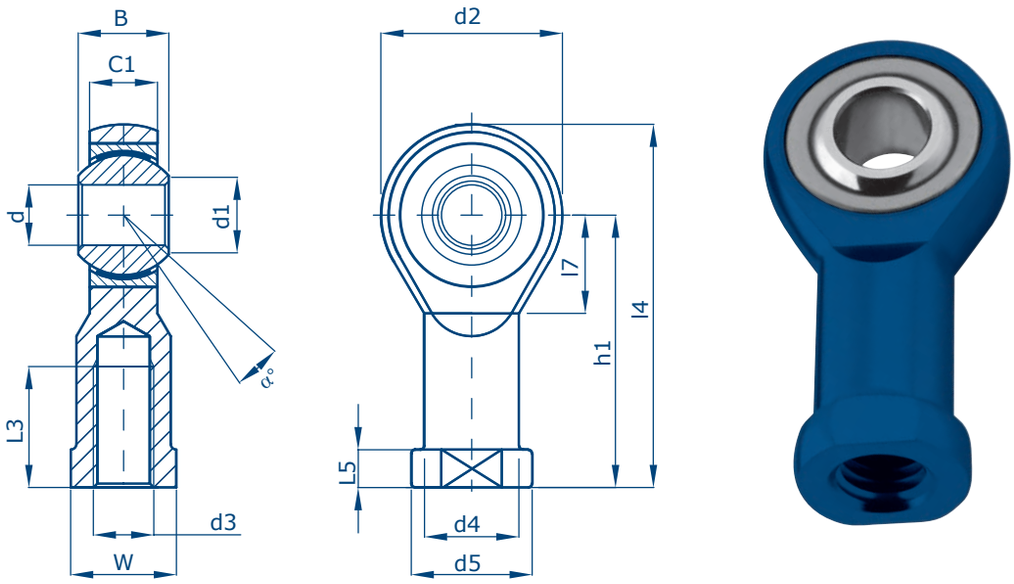
DIN ISO 12240-4 Series K Female thread

Coupling: stainless steel/PTFE

Application: precision engineering, suitable for oxidizing and corrosive environments



Dimensions mm

DESIGNATION	d H7	d3 6H	B	C1	d1	d2	d4	d5	dk	h1	L3	L4	L5	L7	W	static radial load Co.(daN)	α° pivoting angle ≈	weight ≈ (kg)
CFEX 6 M6	6	M6	9	6,75	8,9	20	10	13	12,7	30	12	40	5	11	11	550	13	0,015
CFEX 8 M8	8	M8	12	9	10,4	24	12,5	16	15,87	36	16	48	5	13	14	1200	14	0,037
CFEX 10 M10	10	M10	14	10,5	12,9	28	15	19	19,05	43	20	57	6,5	15	17	1400	13	0,064
CFEX 12 M12	12	M12	16	12	15,4	32	17,5	22	22,22	50	22	66	6,5	17	19	1900	13	0,098

For left-hand thread add "L" (ex. CFEXL8 M8)

Technical reading from page 9 to page 15

Series **CFEX**

SELF-LUBRICATING ROD ENDS

ERGAL - STAINLESS STEEL Version

MATERIAL

Support:
ERGAL (alloy EN AW 7075 State T6) blue or purple anodized surface

Inner ring:
stainless steel X40Cr14 (1.4021 - AISI 420)

Outer ring:
stainless steel X5CrNi1810 (1.4301 - AISI 304) with PTFE bonded on the inner surface

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TESNO® ROD ENDS – SPHERICAL BEARINGS

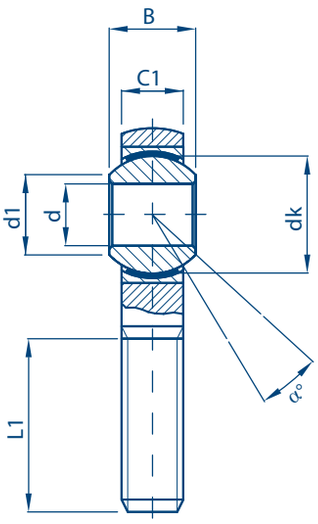
Series CMEX

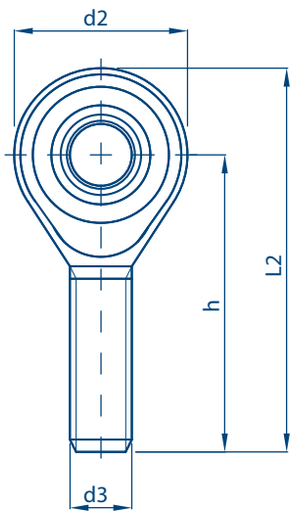
SELF-LUBRICATING ROD ENDS
ERGAL - STAINLESS STEEL Version

DIN ISO 12240-4 Series K Male thread

Coupling: stainless steel/PTFE

Application: precision engineering, suitable for oxidizing and corrosive environments





Dimensions mm

DESIGNATION	d H7	d3 6g	B	C1	d1	d2	dk	h	L1	L2	static radial load Co.(daN)	α° pivoting angle ≈	weight ≈ (kg)
CMEX 6 M6	6	M6	9	6,75	8,9	20	12,7	36	21	46	550	13	0,013
CMEX 8 M8	8	M8	12	9	10,4	24	15,87	42	25	54	800	14	0,035
CMEX 10 M10	10	M10	14	10,5	12,9	28	19,05	48	28	62	1300	13	0,058
CMEX 12 M12	12	M12	16	12	15,4	32	22,22	54	32	70	1700	13	0,087

For left-hand thread add "L" (ex. CMEXL8 M8)
Technical reading from page 9 to page 15

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MATERIAL

Support:
ERGAL (alloy EN AW 7075 State T6) blue or purple anodized surface

Inner ring:
stainless steel X40Cr14 (1.4021 - AISI 420)

Outer ring:
stainless steel X5CrNi 1810 (1.4301 - AISI 304) with PTFE bonded on the inner surface