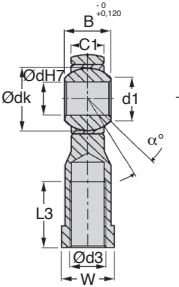
Female rod ends DIN ISO 12240-4 ISO

CFFRH CFFLH Steel/self-lubricating bronze contact

- ***Female threaded rod end conforming to DIN ISO 12240-4 K series***
- *Materials:*
  Sphere: Steel 100CG ground and polished
  Insert: Bronze
  Housing:
  sizes 5 to 12- low carbonised steel
  sizes 16 to 35 – high carbon steel alloy, surface is galvanised and passivated
- *Working temperature: -30°C to +120°C (150°C occasionally)*





Advantages

- *Self-lubricating*
- *Maintenance free*
- *Bearing surface wear-resistant*
- *Low friction*

Application

- *Oscillating movements*

DISCOUNTS

Qty	1+	6+	20+	40+	60+
Disc.	List	-15%	-20%	-30%	On request

Part number	Ød	Ød3	B	C1	Ød1	Ød2	Ød4	Ød5	Ødk	h1	L3	L4	L5	L7	W
CFF.00.05	5	M5x0,8	8	6,00	7,70	18	9,00	11	11,112	27	10	36	4,00	10	9
CFF.00.06	6	M6x1	9	6,75	8,90	20	10,00	13	12,700	30	12	40	5,00	11	11
CFF.00.08	8	M8x1,25	12	9,00	10,40	24	12,50	16	15,875	36	16	48	5,00	13	14
CFF.00.10	10	M10x1,5	14	10,50	12,90	28	15,00	19	19,050	43	20	57	6,50	15	17
CFF.00.12	12	M12x1,75	16	12,00	15,40	32	17,50	22	22,225	50	22	66	6,50	17	19
CFF.00.16	16	M16x2	21	15,00	19,30	42	22,00	27	28,575	64	28	85	8,00	23	22
CFF.00.20	20	M20x2,5	25	18,00	24,30	50	27,50	34	34,925	77	33	102	10,00	27	30
CFF.00.30	30	M30x2	37	25,00	34,80	70	40,00	50	50,800	110	51	145	15,00	36	41
CFF.00.35	35	M36x2	43	28,00	37,70	80	46,00	58	57,150	125	56	165	17,00	41	50

Part number		Radial static load Fs	Axial holding load of the ball	Movement angle	Weight	Stock*	Stock*	Price each 1 to 5	
RH threading	LH threading	(daN)	(daN)	α°	(g)	RH	LH	RH	LH
CFF.00.05/RH	CFF.00.05/LH	600	100	13	19	✔	✔	13,87 €	16,04 €
CFF.00.06/RH	CFF.00.06/LH	700	120	13	26	✔	✔	11,89 €	13,77 €
CFF.00.08/RH	CFF.00.08/LH	1 200	170	14	46	✔	✔	12,49 €	14,45 €
CFF.00.10/RH	CFF.00.10/LH	1 400	200	13	76	✔	✔	14,11 €	16,33 €
CFF.00.12/RH	CFF.00.12/LH	1 900	270	13	110	✔	✔	17,13 €	19,80 €
CFF.00.16/RH	CFF.00.16/LH	4 800	550	15	220	✔	✔	34,40 €	39,72 €
CFF.00.20/RH	CFF.00.20/LH	5 200	600	14	409	✔	-	62,22 €	71,79 €
CFF.00.30/RH	CFF.00.30/LH	10 800	1 200	17	1 140	✔	-	146,95 €	169,57 €
CFF.00.35/RH	CFF.00.35/LH	12 400	1 400	19	1 600	-	-	180,24 €	207,99 €

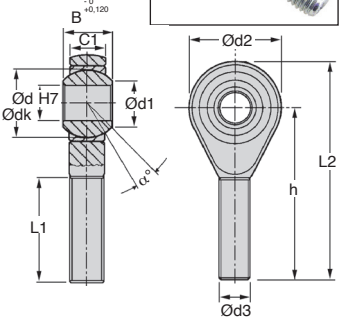
**Depending on availability - Dimensions in mm*

ISO ★★★ Male rod ends DIN ISO 12240-4

Steel/self-lubricating bronze contact CMMRH CMMLH

- ***Male threaded rod end conforming to DIN ISO 12240-4 K series***
- *Static axial load = 0.2 x static radial load*
- *Materials:*
  Sphere: Steel 100CG ground and polished
  Insert: Bronze
  Housing:
  sizes 5 to 12- low carbon steel
  sizes 16 to 35 – high carbon steel alloy, surface is galvanised and passivated
- *Working temperature: -30°C to +120°C (150°C occasionally)*





Advantages

- *Self-lubricating*
- *Maintenance free*
- *Bearing surface wear-resistant*
- *Low friction*

Application

- *Oscillating movements*

DISCOUNTS

Qty	1+	6+	20+	40+	60+
Disc.	List	-15%	-20%	-30%	On request

Part number	Ød	Ød3	B	C1	Ød1	Ød2	Ødk	h	L1	L2
CMM.00.05	5	M5 x 0,8	8	6,00	7,70	18	11,112	33	19	42
CMM.00.06	6	M6 x 1	9	6,75	8,90	20	12,700	36	21	46
CMM.00.08	8	M8 x 1,25	12	9,00	10,40	24	15,875	42	25	54
CMM.00.10	10	M10 x 1,5	14	10,50	12,90	28	19,050	48	28	62
CMM.00.12	12	M12 x 1,75	16	12,00	15,40	32	22,225	54	32	70
CMM.00.16	16	M16 x 2	21	15,00	19,30	42	28,575	66	37	87
CMM.00.20	20	M20 x 2,5	25	18,00	24,30	50	34,925	78	45	103

Part number		Radial static load Fs (daN)	Axial holding load of the ball (daN)	Movement angle α°	Weight (g)	Stock*	Stock*	Price each 1 to 5	
RH threading	LH threading					RH	LH	RH	LH
CMM.00.05/RH	CMM.00.05/LH	300	100	13	15	✔	-	19,52 €	22,49 €
CMM.00.06/RH	CMM.00.06/LH	400	120	13	22	✔	✔	11,89 €	13,77 €
CMM.00.08/RH	CMM.00.08/LH	800	170	14	38	✔	✔	12,56 €	14,54 €
CMM.00.10/RH	CMM.00.10/LH	1 300	200	13	63	✔	✔	14,11 €	16,33 €
CMM.00.12/RH	CMM.00.12/LH	1 700	270	13	100	✔	✔	17,13 €	19,80 €
CMM.00.16/RH	CMM.00.16/LH	4 800	550	15	195	✔	✔	37,34 €	43,13 €
CMM.00.20/RH	-	5 200	600	14	370	✔	-	57,06 €	-

**Depending on availability - Dimensions in mm*

Female rod ends DIN ISO 12240-4

CFFss Stainless steel/self-lubricating bronze contact

- ***Female threaded rod end conforming to DIN ISO 12240-4 K series***
- *Materials:*
  Sphere: Stainless steel 420, ground and polished
  Insert: self lubricating bronze
  Housing: Stainless steel 304

Economy range

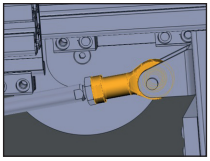


Advantages

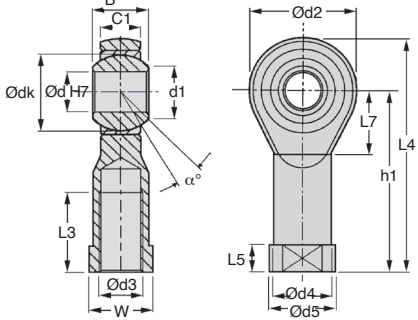
- *Self-lubricating*
- *No maintenance required*
- *Bearing surface resistant to wear*
- *Low friction*

Application

- *Oscillating movements*



Typical application



DISCOUNTS

Qty	1+	6+	10+
Disc.	List	-15%	On request

Part number	Ød	Ød3	B	C1	Ød1	Ød2	Ød4	Ød5	Ødk	h1	L3	L4	L5	L7	W
CFF.00.06/SS	6	M60x1	9	6,75	8,90	20	10,00	13	12,70	30	12	40	5,00	11	11
CFF.00.08/SS	8	M80x1,25	12	09,00	10,40	24	12,50	16	15,90	36	16	048	05,00	13	14
CFF.00.10/SS	10	M10x1,5	14	10,50	12,90	28	15,00	19	19,10	43	20	057	06,50	15	17
CFF.00.12/SS	12	M12x1,75	16	12,00	15,40	32	17,50	22	22,22	50	22	066	06,50	17	19
CFF.00.16/SS	16	M16x2	21	15,00	19,30	42	22,00	27	28,60	64	28	085	08,00	23	22
CFF.00.20/SS	20	M20x2,5	25	18,00	24,30	50	27,50	34	34,90	77	33	102	10,00	27	30

Part number RH threading	Radial static load Fs (daN)	Axial holding load of the ball (daN)	Movement angle α°	Weight (g)	Price each 1 to 5
CFF.00.06/RH/SS	700	120	13	25	79,49 €
CFF.00.08/RH/SS	1 200	170	14	46	98,48 €
CFF.00.10/RH/SS	1 400	200	13	75	121,51 €
CFF.00.12/RH/SS	1 900	270	13	112	142,96 €
CFF.00.16/RH/SS	4 800	550	15	222	265,33 €
CFF.00.20/RH/SS	5 200	600	14	406	300,70 €

**Depending on availability - Dimensions in mm*

Stainless steel/self-lubricating bronze CMMss

- ***Male threaded rod end conforming to DIN ISO 12240-4 K series***
- Materials:
  Sphere: Stainless steel 420, ground and polished
  Insert: self lubricating bronze
  Housing: Stainless steel 304

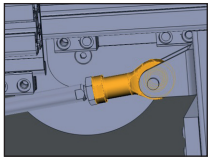


Advantages

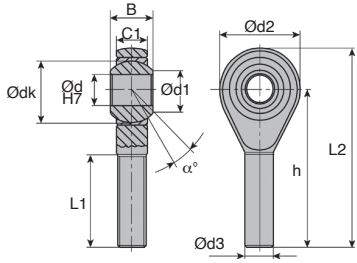
- Self-lubricating
- Maintenance free
- Bearing surface resistant to wear
- Low friction

Application

- Oscillating movements



Typical application



DISCOUNTS

Qty	1+	6+	10+
Disc.	List	-15%	On request

Part number	Ød	Ød3	B	C1	Ød1	Ød2	Ødk	h	L1	L2
CMM.00.06/RH/SS	6	M6x1,00	9	6,75	8,90	20	12,700	36	21	46
CMM.00.08/RH/SS	8	M8x1,25	12	9,00	10,40	24	15,875	42	25	54
CMM.00.10/RH/SS	10	M10x1,50	14	10,50	12,90	28	19,050	48	28	62
CMM.00.12/RH/SS	12	M12x1,75	16	12,00	15,40	32	22,225	54	32	70
CMM.00.16/RH/SS	16	M16x2,00	21	15,00	19,30	42	28,575	66	37	87
CMM.00.20/RH/SS	20	M20x2,50	25	18,00	24,30	50	34,925	78	45	103

Part number	Radial static load Fs (daN)	Axial holding load of the ball (daN)	Movement angle α°	Weight (g)	Stock*	Price each 1 to 5
CMM.00.06/RH/SS	400	120	13°	21	✔	79,49 €
CMM.00.08/RH/SS	800	170	14°	40	✔	98,48 €
CMM.00.10/RH/SS	1300	200	13°	64	✔	121,51 €
CMM.00.12/RH/SS	1700	270	13°	97	-	142,96 €
CMM.00.16/RH/SS	4800	550	15°	208	-	265,33 €
CMM.00.20/RH/SS	5200	600	14°	367	-	300,70 €

*Depending on availability - Dimensions in mm

Female rod ends

SFE Unibal — Stainless steel/Teflon contact

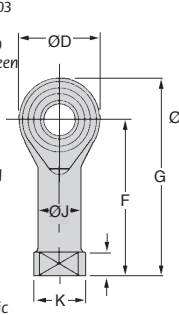
- ***Female threaded rod end***
- Axial static load = 0.2 x radial static load
- Materials:
  Housing: stainless steel 303
  Insert: stainless steel 303
  Sphere: stainless steel 420
  Coating: UNIFLON® between ring and sphere

Advantages

- Long life expectancy
- Low friction
- No maintenance required
- Corrosion resistant

Applications

- Oscillating movement in hostile environments (water, salt, dampness, other difficult atmospheric conditions...)



Swiss precision



stainless steel

DISCOUNTS

Qty	1+	10+	24+
Disc.	List	-20%	On request

Part number	ØA	B	ØD	F	G	H	ØJ	K	L	M	O	W	X
SFE3.45	3	10	12	21	27	4,50	5,00	6,50	3,00	M3 x 0,50	5,18	6	5,50
SFE5.45	5	14	16	27	35	6,00	7,50	9,50	4,00	M5 x 0,80	7,71	8	8,00
SFE6.45	6	14	18	30	39	6,75	9,50	12,00	5,00	M6 x 1	8,98	9	10,00
SFE8.45	8	17	22	36	47	9,00	12,50	16,00	5,00	M8 x 1,25	10,40	12	13,00
SFE10.45	10	20	26	43	56	10,50	15,00	19,00	6,50	M10 x 1,50	12,92	14	16,00
SFE12.45	12	22	30	50	65	12,00	17,50	22,00	6,50	M12 x 1,75	15,43	16	18,00
SFE14.45	14	27	34	57	74	13,50	20,00	25,00	8,00	M14 x 2	16,86	19	21,00
SFE16.45	16	33	38	64	83	15,00	22,00	27,00	8,00	M16 x 2	19,39	21	24,00
SFE18.45	18	36	42	71	92	16,50	25,00	31,00	10,00	M18 x 1,50	21,89	23	27,00

Part number	Radial static load (daN)	Sphere ØE	Weight (g)	Price each 1 to 5
SFE3.45	160	6,00	7	221,62 €
SFE5.45	250	11,11	14	173,36 €
SFE6.45	300	12,70	22	163,21 €
SFE8.45	450	15,88	38	173,68 €
SFE10.45	600	19,05	70	199,71 €
SFE12.45	770	22,23	110	238,39 €
SFE14.45	940	25,40	150	246,71 €
SFE16.45	1140	28,58	200	406,54 €
SFE18.45	1370	31,75	280	724,33 €

Dimensions in mm

Stainless steel/Teflon contact

Unibal SME

- ***Male threaded rod end***
- *Axial static load = 0.2 x radial static load*
  - *Materials:*
    Housing: stainless steel 303
    Insert: stainless steel 303
    Sphere: stainless steel 420
    Coating UNIFLON® between ring and ball

Swiss precision

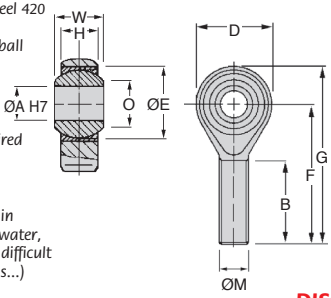


Advantages

- *Long life expectancy*
- *Low friction*
- *No maintenance required*
- *Corrosion resistant*

Applications

- *Oscillating movement in hostile environments (water, salt, dampness, other difficult atmospheric conditions...)*



DISCOUNTS

Qty	1+	10+	24+
Disc.	List	-20%	On request

Part number	ØA	B	D	F	G	H	ØM	O	W
SME3.45	3	15	12	27	33	4,50	M3 x 0,50	05,18	06
SME5.45	5	20	16	33	41	6,00	M5 x 0,80	07,71	08
SME6.45	6	22	18	36	45	6,75	M6 x 1	08,96	09
SME8.45	8	25	22	42	53	9,00	M8 x 1,25	10,40	12
SME10.45	10	29	26	48	61	10,50	M10 x 1,50	12,92	14
SME12.45	12	33	30	54	69	12,00	M12 x 1,75	15,43	16
SME14.45	14	36	34	60	77	13,50	M14 x 2	16,86	19
SME16.45	16	40	38	66	85	15,00	M16 x 2	19,39	21
SME18.45	18	44	42	72	93	16,50	M18 x 1,50	21,89	23

Part number	Radial static load (daN)	Sphere ØE	Weight (g)	Price each 1 to 9
SME3.45	50	7,93	5	221,62 €
SME5.45	150	11,11	13	230,52 €
SME6.45	210	12,70	19	190,08 €
SME8.45	400	15,88	35	169,58 €
SME10.45	600	19,05	57	202,33 €
SME12.45	770	22,23	87	230,75 €
SME14.45	940	25,40	120	384,04 €
SME16.45	1140	28,58	170	428,57 €
SME18.45	1370	31,75	240	704,63 €

Dimensions in mm