ASAHI

BEARING UNITS

JOINBAL ROD ENDS SPHERICAL BEARINGS

SIDARMA S.R.L.
ARTICOLI TECNICI INDUSTRIALI

Female Rod End

JAF type

3-piece construction

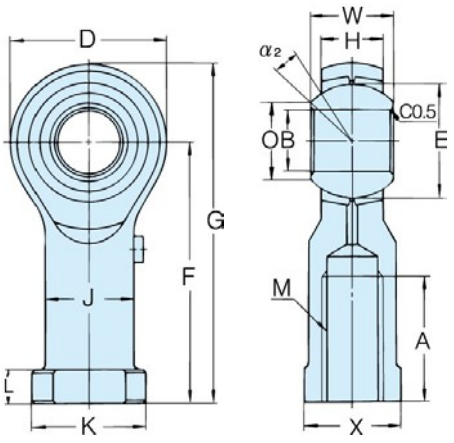
Lubricatable

Materials ;

Housing – Carbon steel
Unichrome plated

Bali – High Carbon Chromium
Bearing Steel

Insert – Copper Alloy



No.	Dimensions mm														Misalign-ment degrees	Minimum Static Fracture Radiai Load kN	Maximum Static Load kN		Weight g
	B	W	H	O	D	F	G	A	K	X	J	L	E	M	a2		Radiai	Axial	
JAF 5	5	8	7	7.7	16	27	35	14	11	9	9	4	11.11	M 5X0.8	7	9.1	6.1	2.3	18
JAF 6	6	9	7	9	18	30	39	14	13	11	10	5	12.7	M 6X1	11	10.2	6.8	2.6	26
JAF 8	8	12	9	10.4	22	36	47	17	16	14	12.5	5	15.88	M 8X1.25	14	14.6	9.7	4.2	45
JAF10	10	14	11	12.9	26	43	56	21	19	17	15	6.5	19.05	M10X1.5	12	19.7	13.1	6.2	76
JAF12	12	16	12	15.4	30	50	65	24	22	19	17.5	6.5	22.23	M12X1.75	13	24.2	16.2	7.8	114
JAF14	14	19	14	16.9	34	57	74	27	25	22	20	8	25.4	M14X2	14	30.7	20.5	10.5	158
JAF15	15	20	14	18.1	36	61	79	30	26	22	21	8	26.99	M14X2	16	32.6	21.8	11.1	186
JAF16	16	21	15	19.4	38	64	83	33	27	22	22	8	28.58	M16X2	15	36.3	23.6	12.6	200
JAF17	17	22	16	20.6	40	67	87	34	31	27	24	10	30.16	M16X1.5	14	40.1	26.8	14.2	259
JAF18	18	23	17	21.9	42	71	92	36	31	27	25	10	31.75	M18X1.5	14	44	29.3	15.9	288
JAF20	20	25	18	24.4	46	77	100	40	34	30	27.5	10	34.93	M20X1.5	14	50.8	33.9	18.5	372
JAF22	22	28	20	25.8	50	84	109	43	37	32	30	12	38.1	M22X1.5	15	59.8	39.9	22.4	475
JAF25	25	31	22	29.6	56	94	122	48	42	36	33.5	12	42.86	M24X2	15	72.7	48.5	27.7	673
JAF28	28	35	25	32.3	62	103	134	53	46	41	37.5	12	47.63	M27X2	15	88.9	59.3	35	910
JAF30	30	37	26	34.8	67	110	143.5	56	50	41	40	15	50.8	M30X2	15	108	72.2	38.8	1050

Note : CETOP-standard threaded type is also available.

Male Rod End

JAM type

3-piece construction

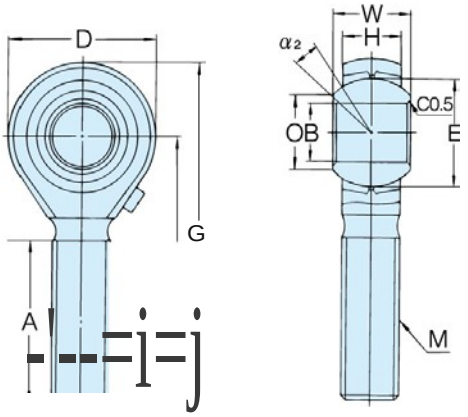
Lubricatable

Materials ;

Housing – Carbon steel
Unichrome plated

Bali – High Carbon Chromium
Bearing Steel

Insert – Copper Alloy



No.	Dimensions mm										Misalign-meni degrees	Minimum Static Fracture Radiai Load kN	Maximum Static Load kN		Weight g
	B	W	H	O	D	F	G	A	E	M	a2		Radiai	Axial	
JAM 5	5	8	7	7.7	16	33	41	20	11.11	M 5X0.8	7	4.8	3.2	2.3	14
JAM 6	6	9	7	9	18	36	45	22	12.7	M 6X1	11	6.8	4.5	2.6	19
JAM 8	8	12	9	10.4	22	42	53	25	15.88	M 8X1.25	14	12.4	8.2	4.2	36
JAM 10	10	14	11	12.9	26	48	61	29	19.05	M10X1.5	12	19.7	13.1	6.2	60
JAM 12	12	16	12	15.4	30	54	69	33	22.23	M12X1.75	13	24.2	16.2	7.8	89
JAM 14	14	19	14	16.9	34	60	77	36	25.4	M14X2	14	30.7	20.5	10.5	129
JAM 15	15	20	14	18.1	36	63	81	38	26.99	M14X2	16	32.6	21.8	11.1	148
JAM 16	16	21	15	19.4	38	66	85	40	28.58	M16X2	15	36.3	24.2	12.6	181
JAM 17	17	22	16	20.6	40	69	89	42	30.16	M16X1.5	14	40.1	26.8	14.2	206
JAM 18	18	23	17	21.9	42	72	93	44	31.75	M18X1.5	14	44	29.3	15.9	250
JAM20	20	25	18	24.4	46	78	101	47	34.93	M20X1.5	14	50.8	33.9	18.5	333
JAM22	22	28	20	25.8	50	84	109	51	38.1	M22X1.5	15	59.8	39.9	22.4	430
JAM25	25	31	22	29.6	56	94	122	57	42.86	M24X2	15	72.7	48.5	27.7	575
JAM28	28	35	25	32.3	62	103	134	62	47.63	M27X2	15	88.9	59.3	35	795
JAM30	30	37	26	34.8	67	110	143.5	66	50.8	M30X2	15	108	71.9	38.8	996

Note : For left-hand thread, add "L" to rod end number (Example : JAML 5).

Female Rod End

FBF type

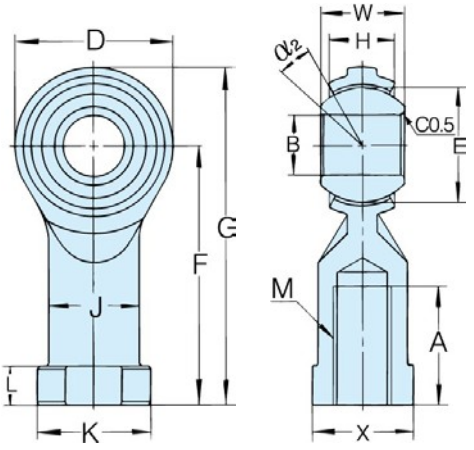
Materials ;

Housing – Carbon steel
Unichrome plated
Bali – High Carbon Chromium
Bearing Steel
Liner – PTFE resin

FDF type

Materials ;

Housing – STAINLESS STEEL
(SUS 303)
Bali – STAINLESS STEEL
(SUS 440C)
Liner – PTFE resin



No.	Dimensions mm														Misalignment degrees	Minimum Static Fracture Radial Load kN	Maximum Static Load kN		Weight g
	B	W	H	O	D	F	G	A	K	X	J	L	E	M	α2		Radial	Axial	
FBF FDF 5	5	8	7	7.7	16	27	35	12	11	9	9	4	11.11	M 5X0.8	7	8.6	5.8	2.3	10
FBF FDF 6	6	9	7	9	18	30	39	13	13	11	10	5	12.7	M 6X1	11	9.8	6.4	2.4	20
FBF FDF 8	8	12	9	10.4	22	36	47	16	16	14	12.5	5	15.88	M 8X1.25	14	11.8	7.8	2.9	37
FBF FDF10	10	14	11	12.9	26	43	56	19	19	17	15	6.5	19.05	M10X1.5	12	15.2	10.3	3.8	61
FBF FDF12	12	16	12	15.4	30	50	65	24	22	19	17.5	6.5	22.23	M12X1.75	13	19.1	12.7	4.9	89
FBF FDF14	14	19	14	16.9	34	57	74	27	25	22	20	8	25.4	M14X2	14	25	16.7	6.4	135
FBF FDF16	16	21	15	19.4	38	64	83	33	27	22	22	8	28.58	M16X2	15	30.9	20.6	7.8	171
FBF FDF18	18	23	17	21.9	42	71	92	36	31	27	25	10	31.75	M18X1.5	14	37.2	25	9.3	246
FBF / FDF 20	20	25	18	24.4	46	77	100	40	34	30	27.5	10	34.93	M20X1.5	14	44.1	29.5	10.8	314
FBF / FDF 22	22	28	20	25.8	50	84	109	43	37	32	30	12	38.1	M22X1.5	15	51.9	34.8	13.2	410

Male Rod End

FBM type

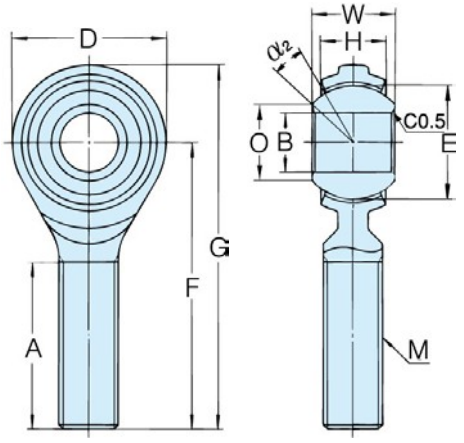
Materials ;

Housing – Carbon steel
Unichrome plated
Bali – High Carbon Chromium
Bearing Steel
Liner – PTFE resin

FDM type

Materials ;

Housing – STAINLESS STEEL
(SUS 303)
Bali – STAINLESS STEEL
(SUS 440C)
Liner PTFE resin



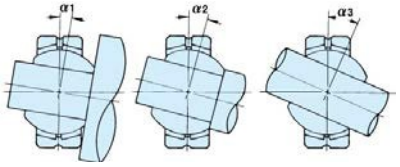
No.	Dimensions mm										Misalignment degrees	Minimum Static Fracture Radial Load kN	Maximum Static Load kN		Weight g
	B	W	H	O	D	F	G	A	E	M	α2		Radial	Axial	
FBM FDM 5	5	8	7	7.7	16	33	41	20	11.11	M 5X0.8	7	3.9	2.4	1	11
FBM FDM 6	6	9	7	9	18	36	45	22	12.7	M 6X1	11	5.9	3.9	1.5	15
FBM FDM 8	8	12	9	10.4	22	42	53	25	15.88	M 8X1.25	14	10.8	7.4	2.9	30
FBM FDM 10	10	14	11	12.9	26	48	61	29	19.05	M10X1.5	12	15.2	10.3	3.9	48
FBM FDM 12	12	16	12	15.4	30	54	69	33	22.23	M12X1.75	13	19.1	12.7	4.9	76
FBM FDM 14	14	19	14	16.9	34	60	77	36	25.4	M14X2	14	25	16.7	6.4	115
FBM FDM 16	16	21	15	19.4	38	66	85	40	28.58	M16X2	15	30.9	20.6	7.8	159
FBM FDM 18	18	23	17	21.9	42	72	93	44	31.75	M18X1.5	14	37.2	25	9.3	222
FBM FDM20	20	25	18	24.4	46	78	101	47	34.93	M20X1.5	14	44.1	29.4	11.3	292
FBM FDM 22	22	28	20	25.8	50	84	109	51	38.1	M22X1.5	15	52	34.8	13.2	381

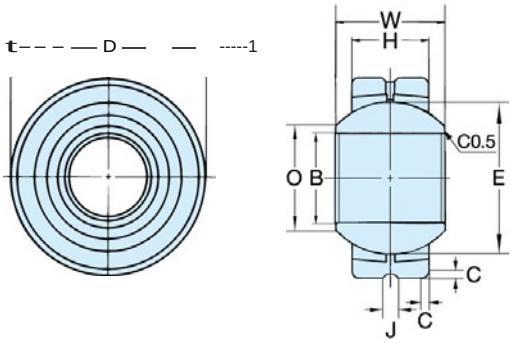
Note : For left-hand thread, add "L" to rod end number (Example : FBML 5).
For FDF & FDM types, please check availability.

Spherical Bearing

JAS type

3-piece construction
Lubricatable





No.	Dimensions mm								Misalignment degrees			Maximum Static Load kN		Weight g
	B	W	H	O	D	C	J	E	α1	a2	a3	Radiai	Axial	
JAS 5	5	8	7	7.7	16	0.5	1.5	11.112	3	7	24	9.11	2.25	8.5
JAS 6	6	9	7	9.0	18	0.5	1.5	12.700	6	11	28	10.5	2.65	13
JAS 8	8	12	9	10.4	22	0.5	1.5	15.875	8	14	25	16.9	4.21	24
JAS10	10	14	11	12.9	26	0.5	1.5	19.050	7	12	23	24.6	6.17	39
JAS12	12	16	12	15.4	30	1	2	22.225	8	13	24	31.4	7.84	58
JAS14	14	19	14	16.9	34	1	2	25.400	9	14	23	41.8	10.5	84
JAS15	15	20	14	18.1	36	1	2	26.99	10	16	24	44.4	11.1	98
JAS16	16	21	15	19.4	38	1	2	28.575	9	15	24	50.4	12.6	111
JAS17	17	22	16	20.6	40	1	2.5	30.16	9	14	23	56.7	14.2	135
JAS18	18	23	17	21.9	42	1.5	2.5	31.750	9	14	23	63.5	15.9	160
JAS20	20	25	18	24.4	46	1.5	2.5	34.925	9	14	24	73.9	18.5	210
JAS22	22	28	20	25.8	50	1.5	2.5	38.100	10	15	23	89.6	22.4	265
JAS25	25	31	22	29.6	56	1.5	3	42.863	10	15	23	111	27.7	390
JAS28	28	35	25	32.3	62	1.5	3	47.625	10	15	22	140	35	410
JAS30	30	37	26	34.8	66	2	3	50.800	10	15	23	155	38.8	610

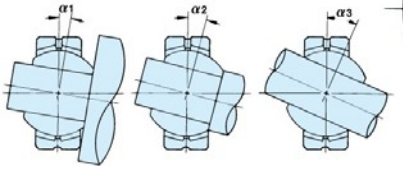
Spherical Bearing

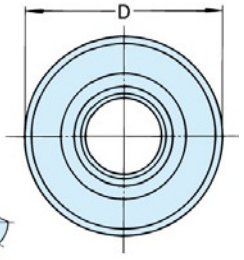
JBS type

2-piece construction
Lubricatable

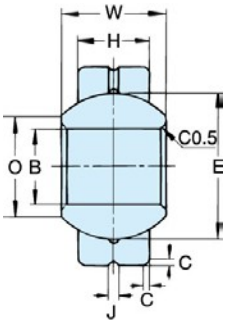
FBS type

PTFE Lined
Self-lubricated

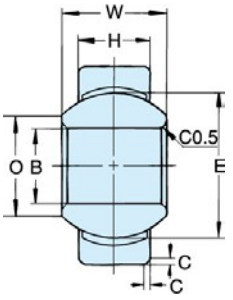




JBS



FBS



No.	Dimensions mm								Misalignment degrees			Maximum Static Load kN		Weight g
	B	W	H	O	D	C	J	E	α1	a2	a3	Radiai	Axial	
JBS/FBS 5	5	8	5.6	7.7	16	0.5	1.5	11.11	9	15	32	24.4	6.1	8
JBS/FBS 6	6	9	6.4	9	18	0.5	1.5	12.7	9	14	31	31.8	7.9	11
JBS/FBS 8	8	12	7.9	10.4	22	0.5	1.5	15.88	11	19	29	49.2	12.3	21
JBS/FBS10	10	14	9.5	12.9	26	0.5	1.5	19.05	10	17	28	71	17.7	35
JBS/FBS12	12	16	11.1	15.4	30	1	2	22.23	10	16	27	96.7	24.2	53
JBS/FBS14	14	19	12.5	16.9	34	1	2	25.4	11	18	26	126	31.6	77
JBS/FBS15	15	20	13.5	18.1	36	1	2	26.99	11	17	26	143	37.6	91
JBS/FBS16	16	21	14.3	19.4	38	1	2	28.58	11	17	25	160	40.1	107
JBS/FBS17	17	22	15.1	20.6	40	1	2.5	30.16	10	16	25	179	44.7	125
JBS/FBS18	18	23	15.9	21.9	42	1.5	2.5	31.75	11	16	25	198	49.5	150
JBS/FBS20	20	25	17.5	24.4	46	1.5	2.5	34.93	16	15	25	240	59.9	187

Note : For FBS type, please check avarlabrhty.

— Specifications are subject to change without prior notice