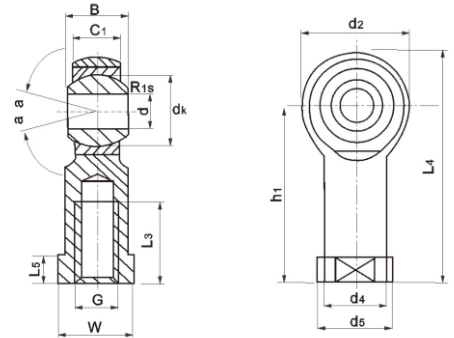


Self-lubricating rod end bearings female thread steel on ptee-metallic fabric maintenance free series

SI...T/K

- Rod bod with right or left-hand female thread
- It is made up of a maintenance-free radial sphericalplain bearing G..PW and rod body
- Surface of rod body zinc plated



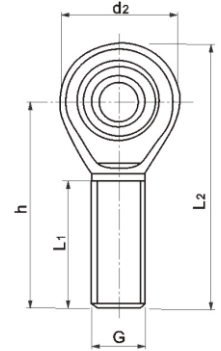
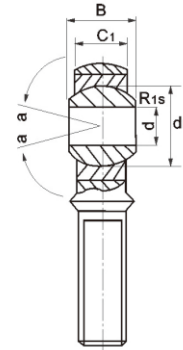
PART NO	Dimensions (mm)														Load Ratings (KN)		Weight	
	d	B	d _k	C ₁ max	d ₂ max	G 6H	h ₁	L ₃ min	L ₄ max	L ₅	W	d ₄	d ₅	R _{1s}	α° ≈	dyn C	stat C ₀	≈kg
SI5T/K	5	8	11.11	6	18	M5×0.8	27	10	36	4	9	9	11	0.3	13	5.7	6	0.016
SI6T/K	6	9	12.7	6.75	20	M6×1.0	30	12	40	5	11	10	13	0.3	13	7.2	7.65	0.022
SI8T/K	8	12	15.875	9	24	M8×1.25	36	16	48	5	14	12.5	16	0.3	14	11.6	12.9	0.047
SI10T/K	10	14	19.05	10.5	28	M10×1.5	43	20	57	6.5	17	15	19	0.3	13	14.5	18	0.077
SI10T/K-1	10	14	19.05	10.5	28	M10×1.25	43	20	57	6.5	17	15	19	0.3	13	14.5	18	0.077
SI12T/K	12	16	22.225	12	32	M12×1.75	50	22	66	6.5	19	17.5	22	0.3	13	17	24	0.100
SI12T/K-1	12	16	22.225	12	32	M12×1.25	50	22	66	6.5	19	17.5	22	0.3	13	17	24	0.100
SI14T/K	14	19	25.4	13.5	38	M14×2.0	57	25	75	8	22	20	25	0.3	16	24	31	0.160
SI14T/K-1	14	19	25.4	13.5	38	M14×1.5	57	25	75	8	22	20	25	0.3	16	24	31	0.160
SI16T/K	16	21	28.575	15	42	M16×2.0	64	28	85	8	22	22	27	0.3	15	28.5	39	0.220
SI16T/K-1	16	21	28.575	15	42	M16×1.5	64	28	85	8	22	22	27	0.3	15	28.5	39	0.220
SI18T/K	18	23	31.75	16.5	44	M18×1.5	71	32	93	10	27	25	31	0.3	15	42.5	47.5	0.320
SI20T/K	20	25	34.925	18	50	M20×1.5	77	33	102	10	30	27.5	34	0.3	14	42.5	57	0.420
SI22T/K	22	28	38.1	20	54	M22×1.5	84	37	111	12	32	30	38	0.3	15	57	68	0.540
SI25T/K	25	31	42.85	22	60	M24×2	94	42	124	12	36	33.5	42	0.3	15	68	85	0.720
SI28T/K	28	35	47.60	24	66	M27×2	103	51	136	14	41	37	46	0.3	15	86	107	0.820
SI30T/K	30	37	50.8	25	70	M30×2	110	51	145	15	41	40	50	0.3	17	88	114	1.100
SI30T/K-1	30	37	50.8	25	70	M27×2	110	51	145	15	41	40	50	0.3	17	88	114	1.100
SI35T/K	35	43	57.1	28	81	M36×2	125	56	165.5	17	50	46	58	0.3	16			1.600

For left-hand thread, please add surfix "L", e.g. SIL 16 T/K.

Self-lubricating rod end bearings male thread steel on ptee-metallic fabric maintenance free series

SA...T/K

- Rod bod with right or left-hand male thread
- It is made up of a maintenance-free radial sphericalplain bearing G..PW and rod body
- Surface of rod body zinc plated



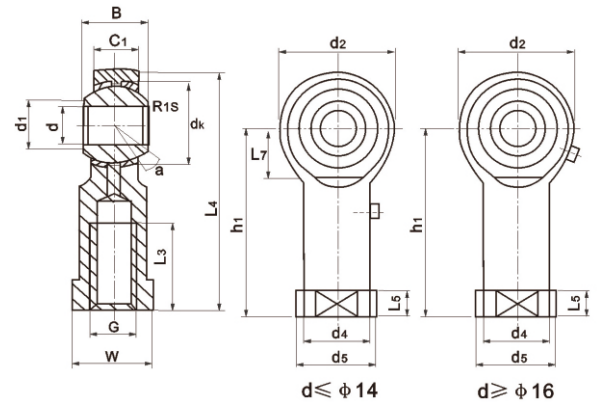
PART NO	Dimensions (mm)										Load Ratings (KN)		Weight	
	d	B	d _k	C ₁ max	d ₂ max	G 6H	h	L ₁ min	L ₂ max	R _{1s}	a° ≈	dyn C	stat C ₀	≈kg
SA5T/K	5	8	11.11	6	18	M5×0.8	33	19	42	0.3	13	5.7	6.0	0.013
SA6T/K	6	9	12.7	6.75	20	M6×1.0	36	21	46	0.3	13	7.2	7.65	0.02
SA8T/K	8	12	15.875	9	24	M8×1.25	42	25	54	0.3	14	11.6	12.9	0.038
SA10T/K	10	14	19.05	10.5	28	M10×1.5	48	28	62	0.3	13	14.5	18.0	0.055
SA12T/K	12	16	22.225	12	32	M12×1.75	54	32	70	0.3	13	17	24	0.85
SA14T/K	14	19	25.4	13.5	38	M14×2.0	60	36	78	0.3	16	24	31	0.14
SA16T/K	16	21	28.575	15	42	M16×2.0	66	37	87	0.3	15	28.5	39	0.21
SA18T/K	18	23	31.75	16.5	46	M18×1.5	72	41	94	0.3	15	42.5	47.5	0.29
SA20T/K	20	25	34.925	18	50	M20×1.5	78	45	103	0.3	14	42.5	57	0.38
SA22T/K	22	28	38.1	20	54	M22×1.5	84	48	111	0.3	15	57	68	0.48
SA25T/K	25	31	42.85	22	60	M24×2	94	55	124	0.3	15	68	85	0.64
SA28T/K	28	35	47.6	24	66	M27×2	103	62	136	0.3	15	86	107	0.8
SA30T/K	30	37	50.8	25	70	M30×2	110	66	145	0.3	17	88	114	1.1
SA35T/K	35	43	57.1	28	81	M36×3	140	85	180.5	0.3	16			1.64

For left-hand thread, please add sur $\square$ x * L" .e.g. SAL 16 T/K.

Joint bearings with female

PHS

- Rod bod with right or left-hand female thread
- Outer race lined with bronze liner
- Surface of rod body zinc plated, rod body with a lubricating hole or grease nipple



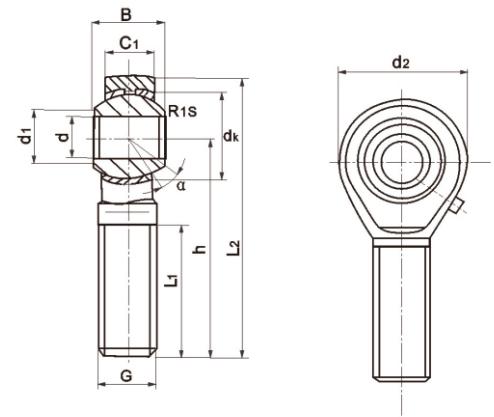
PART NO	Dimensions (mm)											Load Ratings (KN)				Weight		
	d	B	dk	C1 max	d2 max	G 6H	h1	L3 min	L4 max	L5	W	d4	d5	R1s	α° ≈		dyn C	stat C0
PHS5	5	8	11.11	6	16	M5X0.8	27	10	35	4	9	8.5	11	0.3	13	3.25	5.7	0.016
PHS6	6	9	12.7	6.75	18	M6X1.0	30	12	39	5	11	10	13	0.3	13	4.3	7.2	0.022
PHS8	8	12	15.875	9	22	M8X1.25	36	16	47	5	14	12.5	16	0.3	14	7.2	11.6	0.047
PHS10	10	14	19.05	10.5	26	M10X1.5	43	20	56	6.5	17	15	19	0.3	13	10	14.5	0.077
PHS10-1	10	14	19.05	10.5	26	M10X1.25	43	20	56	6.5	17	15	19	0.3	13	10	14.5	0.077
PHS12	12	16	22.225	12	30	M12X1.75	50	22	65	6.5	19	17.5	22	0.3	13	13.4	17	0.100
PHS12-1	12	16	22.225	12	30	M12X1.25	50	22	65	6.5	19	17.5	22	0.3	13	13	17	0.100
PHS14	14	19	25.4	13.5	34	M14X2.0	57	25	74	8	22	20	25	0.3	16	17	24	0.160
PHS14-1	14	19	25.4	13.5	34	M14X1.5	57	25	74	8	22	20	25	0.3	16	17	24	0.160
PHS16	16	21	28.575	15	38	M16X2.0	64	28	84	8	24	22	27	0.3	15	21.6	28.5	0.160
PHS16-1	16	21	28.575	15	38	M16X1.5	64	28	84	8	24	22	27	0.3	15	21.6	28.5	0.220
PHS18	18	23	31.75	16.5	42	M18X1.5	71	32	93	10	27	25	31	0.3	15	26	42.5	0.320
PHS20	20	25	34.925	18	46	M20X1.5	77	33	102	10	30	27.5	34	0.3	14	31.5	42.5	0.420
PHS22	22	28	38.1	20	54	M22X1.5	84	37	111	12	32	30	38	0.3	15	38	57	0.540
PHS25	25	31	42.85	22	60	M24X2	94	42	124	12	36	33.5	42	0.3	15	47.5	68	0.730
PHS28	28	35	47.60	24	66	M27X2	103	48	136	14	41	37	46	0.3	15	58	75	0.980
PHS30	30	37	50.8	25	70	M30X2	110	51	145	15	41	40	50	0.3	17	64	88	1.100
PHS30-1	30	37	50.8	25	70	M27X2	110	51	145	15	41	40	50	0.3	17	64	88	1.100

For left-hand thread, please add surfix "L", e.g. PHS18L.

Joint bearings with male

POS

- Rod bod with right or left-hand male thread
- Outer race lined with bronze liner
- Surface of rod body zinc plated, rod body with a lubricating hole or grease nipple



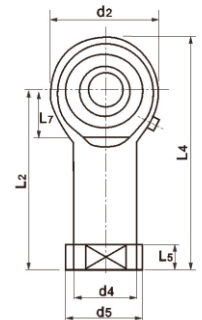
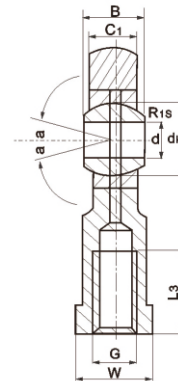
PART NO	Dimensions (mm)											Load Ratings (KN)		Weight ≈kg
	d	B	d _k	C ₁ max	d ₂ max	G 6H	h	L ₁ min	L ₂ max	R _{1s}	α° ≈	dyn C	stat C ₀	
POS5	5	8	11.11	6	16	M5X0.8	33	20	41	0.3	13	3.25	5.7	0.013
POS6	6	9	12.7	6.75	18	M6X1.0	36	22	45	0.3	13	4.3	7.2	0.020
POS8	8	12	15.875	9	22	M8X1.25	42	25	53	0.3	14	7.2	11.6	0.030
POS10	10	14	19.05	10.5	26	M10X1.5	48	29	61	0.3	13	10	14.5	0.055
POS12	12	16	22.225	12	30	M12X1.75	54	33	69	0.3	13	13.4	17	0.085
POS14	14	19	25.4	13.5	34	M14X2.0	60	36	77	0.3	16	17	24	0.140
POS16	16	21	28.575	15	38	M16X2.0	66	40	86	0.3	15	21.6	28.5	0.210
POS18	18	23	31.75	16.5	42	M18X1.5	72	44	94	0.3	15	26	42.5	0.280
POS20	20	25	34.925	18	46	M20X1.5	78	47	103	0.3	14	31.5	52.5	0.380
POS22	22	28	38.1	20	54	M22X1.5	84	51	111	0.3	15	38	57	0.480
POS25	25	31	42.85	22	60	M24X2	94	57	124	0.3	15	47.5	68	0.640
POS28	28	35	47.6	24	66	M27X2	103	62	136	0.3	15	58	75.5	0.960
POS30	30	37	50.8	25	70	M30X2	110	66	145	0.3	17	64	88.6	1.100

For left-hand thread, please add sur L" .e.g. POSL 8.

Female combination(E series)rod ends series maintenance free series

SI...ES

- Rod bod with right or left-hand female thread
- It is made up of a radial spherical plain bearing GE..ES or GE..ES 2RS and rod body
- Surface of rod body zinc plated, housing of SI.ES with a lubricating hole or grease nipple
- Model 12 and below without lubricating hole and grease nipple



PART NO	Dimensions (mm)												Load Ratings (KN)					Weight ≈kg
	d	B	dk	C1	d2 max	G 6H	L2	L3 min	L4	L5	W	d4	d5	R1s min	a° ≈	dyn C	stat C0	
SI5E	5	6	10	4.4	21	M5X0.8	30	11	42	5	10	10	13	0.3	13	3.4	8.1	0.021
SI6E	6	6	10	4.4	21	M6X1.0	30	11	40.5	5	11	10	13	0.3	13	3.4	8.15	0.021
SI8E	8	8	13	6.0	24	M8X1.25	36	15	48	5	14	12.5	16	0.3	15	5.5	12.9	0.039
SI10E	10	9	16	7.0	29	M10X1.5	43	20	57.5	6.5	17	15	19	0.3	12	8.15	17.6	0.061
SI12E	12	10	18	8.0	34	M12X1.75	50	23	67	6.5	19	17.5	22	0.3	11	10.8	24.5	0.096
SI15ES	15	12	22	10.0	40	M14X2.0	61	30	81	8	22	21	26	0.3	8	17	36	0.180
SI17ES	17	14	25	11.0	46	M16X2.0	67	34	90	10	27	24	30	0.3	10	21.2	45	0.220
SI20ES	20	16	29	13.0	53	M20X1.5	77	40	103.5	10	32	27.5	35	0.6	9	30	60	0.350
SI25ES	25	20	35.5	17	64	M24X2	94	48	126	12	36	33.5	42	0.6	7	48	83	0.640
SI30ES	30	22	40.7	19	73	M30X2	110	56	146.5	15	41	40	50	0.6	6	62	110	0.930
SI35ES	35	25	47	21	82	M36X3	125	60	166	15	50	47	58	0.6	6	80	146	1.300
SI40ES	40	28	53	23	92	M39X3	142	65	188	18	55	52	65	0.6	7	100	180	2.000
SI45ES	45	32	60	27	102	M42X3	145	65	196	20	60	58	70	0.6	7	127	240	2.500
SI50ES	50	35	66	30	112	M45X3	160	68	216	20	65	62	75	0.6	6	156	290	3.500
SI60ES	60	44	80	38	135	M52X3	175	70	242.5	20	75	70	88	1.0	6	245	450	5.500
SI70ES	70	49	92	42	160	M56X4	200	80	280	20	85	80	98	1.0	6	315	610	8.600
SI80ES	80	55	105	47	180	M64X4	230	85	320	25	100	95	110	1.0	6	400	750	12.00

For left-hand thread, please add surfix "L", e.g. SIL 20 ES

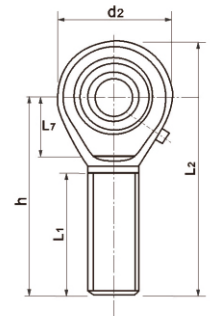
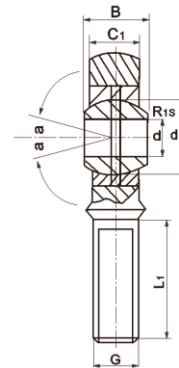
For bearings d ≥ 5, SI..ES 2RS also available, e.g. SI 20 ES 2RS.

Lubricating hole or grease nipple isn't available for the sizes marked "**"

Male combination(E series)rod ends series

SA...ES

- Rod bod with right or left-hand male thread
- It is made up of aradial sphericalplain bearing GE..ES or GE..ES 2RS and rod body
- Surface of rod body zinc plated,housing of SA..ES with a lubricating hole or grease nipple
- Model 12 and below without lubricating hole and grease nipple



PART NO	Dimensions (mm)											Load Ratings (KN)		Weight ≈kg
	d	B	dk	C1 max	d2 max	G 6H	h	L1 min	L2 max	R1s	a° ≈	dyn C	stat C0	
SA5E	5	6	10	4.4	21	M5X0.8	36	16	48	0.3	13	3.4	3.9	0.0011
SA6E	6	6	10	4.4	21	M6X1	36	14	46.5	0.3	13	3.4	8.15	0.017
SA8E	8	8	13	6.0	24	M8X1.25	42	22	54	0.3	15	5.5	12.9	0.029
SA10E	10	9	16	7.0	29	M10X1.5	48	26	62.5	0.3	12	8.1	17.6	0.051
SA12E	12	10	18	8.0	34	M12X1.75	54	28	71	0.3	10	10.8	24.5	0.086
SA15ES	15	12	22	10.0	40	M14X2	63	34	83	0.3	8	17	36	0.014
SA17ES	17	14	25	11.0	46	M16X2	69	36	92	0.3	10	21	45	0.190
SA20ES	20	16	29	13.0	53	M20X1.5	78	43	104.5	0.6	9	30	60	0.310
SA25ES	25	20	35.5	17	64	M24X2	94	53	126	0.6	7	48	83	0.560
SA30ES	30	22	40.7	19	73	M30X2	110	65	146.5	0.6	6	62	110	0.890
SA35ES	35	25	47	21	82	M36X3	140	82	181	0.6	6	80	146	1.4
SA40ES	40	28	53	23	92	M39X3	150	86	196	0.6	7	100	180	1.8
SA45ES	45	32	60	27	102	M42X3	163	94	214	0.6	7	127	240	2.6
SA50ES	50	35	66	30	112	M45X3	185	107	241	0.6	6	156	290	3.4
SA60ES	60	44	80	38	135	M52X3	210	115	277.5	1	6	245	450	5.9
SA70ES	70	49	92	42	160	M56X4	235	125	315	1	6	315	610	8.2
SA80ES	80	55	105	47	180	M64X4	270	140	360	1	6	400	750	12

For left-hand thread,please add surfix "L" ,e.g.SAL 20 ES

For bearings d ≥ 5, SI..ES 2RS also available ,e.g.SA 20 ES 2RS.

Lubricating hole or grease nipple isn't available for the sizes marked "**"