

KAPA
BEARINGS



A House of Linear Shafts & Linear Bearings



ABOUT US

KAPA BEARINGS IS A ONE-STOP DESTINATION FOR ALL TYPES OF BEARING SOLUTIONS.

KAPA Bearings is Known for its unmatched quality made available at affordable prices, KAPA Bearings has made the life of all its customers easy and convenient. It has added value to their lives through its diverse and supreme product line, great teamwork and innovative manufacturing techniques. All these factors have made KAPA Bearings the most preferred manufacturer of bearings all over the world.

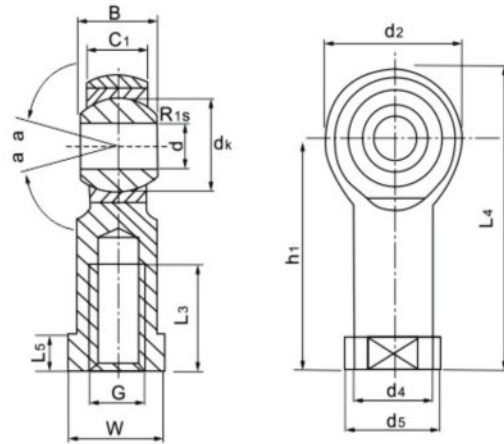
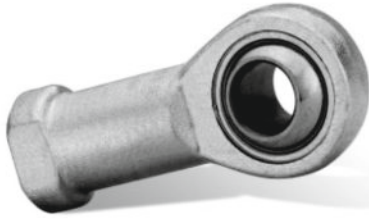
Our products are setting new standards for reliability, energy efficiency and durability. We offer almost all types of bearings, including deep-groove ball bearings, spherical & cylindrical roller bearings and super-precision bearings. In addition, we also develop and produce Precision Linear Shafts, Dual Guides, Track Roller Guides, Pillow Bearings & Precision Linear Bushes Bearings etc.

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Self-Lubricating Rod End Bearing

SI...T/K

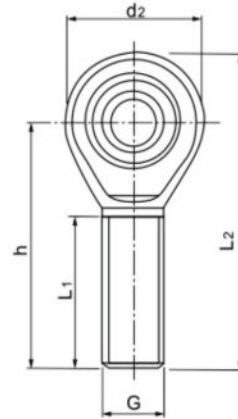
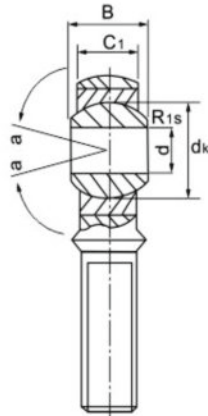


Rod body with left or right-hand female thread
 Sliding contact surface: steel/PTFE
 Surface of rod body zinc plated

Model Number	Dimensions(mm)														Load ratings (KN)		Weight (Kg)
	d	d ₃	B	C ₁	W	h ₁	D ₂	L ₄	L ₅	d ₄	d ₅	d _k	L ₃ min	a ≈	Dynamic Capacity	Static Capacity	
SI4 T/K	5	M4 × 0.7	8	6	9	27	18	36	4	8.5	12	11.11	10	13	5.70	6.00	0.016
SI5 T/K	5	M5 × 0.8	8	6	9	27	18	36	4	8.5	12	11.11	10	13	5.70	6.00	0.016
SI6 T/K	6	M6 × 1.0	9	7	11	30	20	40	5	10	13	12.70	12	13	7.2	7.65	0.022
SI8 T/K	8	M8 × 1.25	12	9	14	36	24	48	5	12.5	16	15.875	16	14	11.6	12.9	0.47
SI10 T/K	10	M10 × 1.5	14	11	17	43	28	57	6.5	15	19	19.05	20	13	14.5	18.0	0.077
SI10-1 T/K	10	M10 × 1.25	14	11	17	43	28	57	6.5	15	19	19.05	20	13	14.5	18.0	0.077
SI12 T/K	12	M12 × 1.75	16	12	19	50	32	66	6.5	17.5	22	22.225	22	13	17.0	24.0	0.100
SI12-1 T/K	12	M12 × 1.25	16	12	19	50	32	66	6.5	17.5	22	22.225	22	13	17.0	24.0	0.100
SI14 T/K	14	M14 × 2.0	19	14	22	57	36	75	8	20	25	25.40	25	16	24.0	31.0	0.160
SI14-1 T/K	14	M14 × 1.5	19	14	22	57	36	75	8	20	25	25.40	25	16	24.0	31.0	0.160
SI16 T/K	16	M16 × 2.0	21	15	22	64	42	84	8	22	27	28.575	28	15	42.5	39.0	0.220
SI16-1 T/K	16	M16 × 1.5	21	15	22	64	42	84	8	22	27	28.575	28	15	42.5	39.0	0.220
SI18 T/K	18	M18 × 1.5	23	17	27	71	46	94	10	25	31	31.75	30	15	42.5	47.0	0.320
SI20 T/K	20	M20 × 1.5	25	18	30	77	50	102	10	27.5	37	34.925	33	14	42.5	57.0	0.540
SI22 T/K	22	M22 × 1.5	28	20	32	84	54	111	12	30	37	38.10	33	15	57.0	68.0	0.540
SI25 T/K	25	M24 × 2.0	31	22	36	94	60	124	12	33.5	42	42.85	36	15	68.0	85.0	0.720
SI28 T/K	28	M27 × 2.0	35	25	41	103	66	137	14	37	46	47.60	51	15	86.0	107.0	0.820
SI30 T/K	30	M30 × 2.0	37	26	41	110	70	145	15	40	50	50.80	51	17	88.0	114.0	1.100
SI30-1 T/K	30	M27 × 2.0	37	26	41	110	70	145	15	40	50	50.80	51	17	88.0	114.0	1.100
SI35 T/K	35	M36 × 2.0	43	28	50	125	80	165	17	46	56	57.10	56	16	.	.	1.600
SI40 T/K	40	M42 × 2.0	49	35	55	142	102	187.5	19	53	69	66.60	60	17	.	.	2.400
SI50 T/K	50	M48 × 2.0	60	45	65	160	117	218.5	23	65	75	82.50	65	12	.	.	5.000

For left-hand thread, please add surffix "L "e.g. SIL 18 T/K
 If needs the stainless steel material please to add S behind the model row for example: SI8T/KS

Self-Lubricating Rod End Bearing SA...T/K



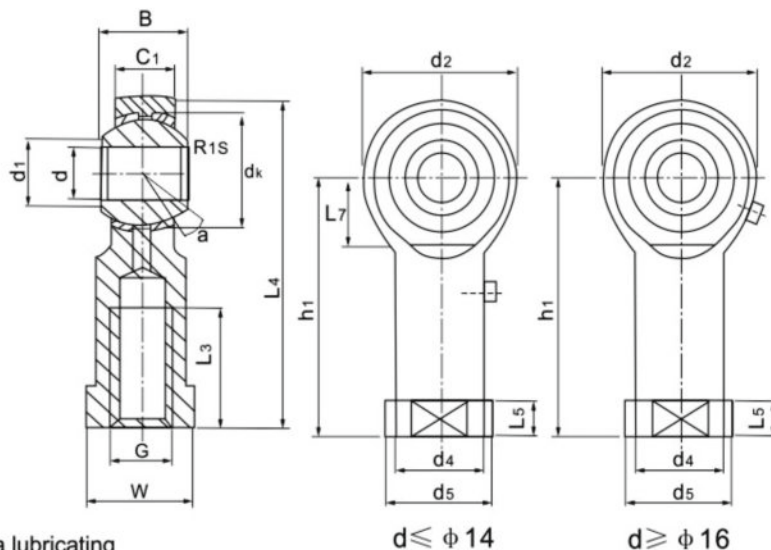
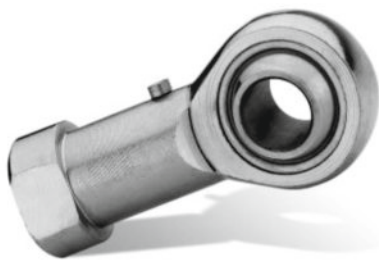
Rod body with left or right-hand male thread
Sliding contact surface: steel/PTFE
Surface of rod body zinc plated

Model Number	Dimensions(mm)											Load ratings (KN)		Weight (Kg)	
	d	d _{3/6g}	B	C ₁	L _{1 min}	d ₂	L ₇	h	L ₂	d _k	R _{1s}	a	Dynamic Capacity		Static Capacity
SA5 T/K	5	M5 × 0.8	8	6	19	18		33	42	11.11	0.3	13	5.70	6.00	0.013
SA6 T/K	6	M6 × 1.0	9	7	21	20		36	46	12.70	0.3	13	7.20	7.65	0.020
SA8 T/K	8	M8 × 1.25	12	9	25	24		42	54	15.875	0.3	14	11.6	12.9	0.038
SA10 T/K	10	M10 × 1.5	14	11	28	28		48	62	19.05	0.3	13	14.5	18.0	0.055
SA12 T/K	12	M12 × 1.75	16	12	32	32		54	70	22.225	0.3	13	17.0	24.0	0.085
SA14 T/K	14	M14 × 2.0	19	14	36	36	18	60	78	25.40	0.3	16	24.0	31.0	0.14
SA16 T/K	16	M16 × 2.0	21	15	37	42	21	66	87	28.575	0.3	15	28.5	39.0	0.21
SA18 T/K	18	M18 × 1.5	23	17	41	44	22	72	94	31.75	0.3	15	42.5	47.5	0.28
SA20 T/K	20	M20 × 1.5	25	18	45	50	25	78	103	34.925	0.3	14	42.5	57.0	0.38
SA22 T/K	22	M22 × 1.5	28	20	48	54	27	84	111	38.10	0.3	15	57.0	68.0	0.48
SA25 T/K	25	M24 × 2.0	31	22	55	60	30	94	124	42.85	0.3	15	68.0	85.0	0.64
SA28 T/K	28	M27 × 2.0	35	25	62	66	33	103	136	47.60	0.3	15	86.0	107.0	0.80
SA30 T/K	30	M30 × 2.0	37	26	66	70	35	110	145	50.80	0.3	17	88.0	114.0	1.10
SA35 T/K	35	M36 × 2.0	43	28	85	81	41	140	180.5	57.10	0.3	16	.	.	1.64
SA40 T/K	40	M42 × 2.0	49	33	90	91	46	150	195.5	66.60	0.3	17	.	.	2.30
SA50 T/K	50	M48 × 2.0	60	45	105	117	59	185	243.5	82.50	0.3	12	.	.	4.80

For left-hand thread, please add suffix "L" e.g. SAL 18 T/K
If needs the stainless steel material please to add S behind the model row for example: SA8T/KS

Lubricating Rod End Bearing

PHS...



Rod body with left or right-hand female thread

Outer race lined with bronze liner

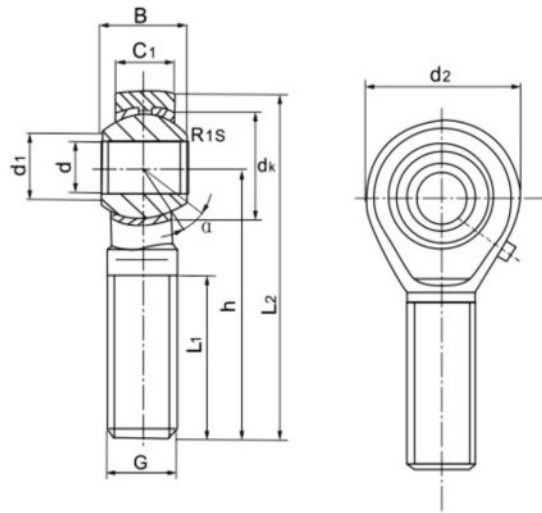
Surface of rod body zinc plated, rod body with a lubricating hole or grease nipple.

Model Number	Dimensions(mm)															Load ratings (KN)		Weight (Kg)
	d	d ₃ 6H	B	C ₁	W	L ₃ min	d ₂	L ₃	h ₁	L ₅	d ₄	d ₅	d _k	d ₁	a	Dynamic Capacity	Static Capacity	
PHS5	5	M5 × 0.8	8	6	9	10	16	35	27	4	8.5	11	11.11	7.70	13	3.25	5.70	0.016
PHS6	6	M6 × 1.0	9	6.75	11	12	18	39	30	5	10.0	13	12.7	8.96	13	4.30	7.20	0.022
PHS8	8	M8 × 1.25	12	9	14	16	22	47	36	5	12.5	16	15.875	10.4	14	7.20	11.6	0.047
PHS10	10	M10 × 1.5	14	10.5	17	20	26	56	43	6.5	15.0	19	19.05	12.9	13	10.0	14.5	0.077
PHS10-1	10	M10 × 1.25	14	10.5	17	20	26	56	43	6.5	15.0	19	19.05	12.9	13	10.0	14.5	0.077
PHS12	12	M12 × 1.75	16	12	19	22	30	65	50	6.5	17.5	22	22.225	15.4	13	13.4	17.0	0.10
PHS12-1	12	M12 × 1.25	16	12	19	22	30	65	50	6.5	17.5	22	22.225	15.4	13	13.4	17.0	0.10
PHS14	14	M14 × 2.0	19	13.5	22	25	34	74	57	8	20.0	25	25.40	16.9	16	17.0	24.0	0.16
PHS14-1	14	M14 × 1.5	19	13.5	22	25	34	74	57	8	20.0	25	25.40	16.9	16	17.0	24.0	0.16
PHS16	16	M16 × 2.0	21	15	24	28	40	84	64	8	22.0	27	28.575	19.4	15	21.6	28.5	0.22
PHS16-1	16	M16 × 1.5	21	15	24	28	40	84	64	8	22.0	27	28.575	19.4	15	21.6	28.5	0.22
PHS18	18	M18 × 1.5	23	16.5	27	32	44	93	71	10	25.0	31	31.75	21.9	15	26.0	42.5	0.32
PHS20	20	M20 × 1.5	25	18	30	33	50	102	77	10	27.5	34	34.925	24.4	14	31.5	42.5	0.42
PHS22	22	M22 × 1.5	28	20	32	37	54	111	84	12	30.0	38	38.10	25.8	15	38.0	57.0	0.54
PHS25	25	M24 × 2.0	31	22	36	42	60	124	94	12	33.5	42	42.85	29.6	15	47.5	68.0	0.73
PHS28	28	M27 × 2.0	35	24	41	48	66	136	103	14	37.0	46	47.60	32.3	15	58.0	75.0	0.98
PHS30	30	M30 × 2.0	37	25	41	51	70	145	110	15	40.0	50	50.80	34.8	17	64.0	88.0	1.10
PHS30-1	30	M27 × 2.0	37	25	41	51	70	145	110	15	40.0	50	50.80	34.8	17	64.0	88.0	1.10

For left-hand thread, please add suffix L, e.g. PHSL8.

If needs the stainless steel metering please to add S behind the model row for example: PHS 8S.

Lubricating Rod End Bearing POS...



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

Model Number	Dimensions(mm)												Load ratings (KN)		Weight (Kg)
	d	d ₃ 6g	B	C ₁	L ₁	d ₂	h	L ₂	dk	R _{1s}	d ₁	a	Dynamic Capacity	Static Capacity	
POS5	5	M5 × 0.6	8	6	20	16	33	41	11.11	0.3	7.70	13	3.25	5.70	0.013
POS6	6	M6 × 1.0	9	6.75	22	18	36	45	12.70	0.3	8.96	13	4.30	7.20	0.020
POS8	8	M8 × 1.25	12	9	25	22	42	53	15.875	0.3	10.4	14	7.20	11.6	0.030
POS10	10	M10 × 1.5	14	10.5	29	26	48	61	19.05	0.3	12.9	13	10.0	14.5	0.055
POS12	12	M12 × 1.75	16	12	33	30	54	69	22.225	0.3	15.4	13	13.4	17.0	0.085
POS14	14	M14 × 2.0	19	13.5	36	34	60	77	25.40	0.3	16.9	16	17.0	24.0	0.14
POS16	16	M16 × 2.0	21	15	40	40	66	86	28.575	0.3	19.4	15	21.6	28.5	0.21
POS18	18	M18 × 1.5	23	16.5	44	44	72	94	31.75	0.3	21.9	15	26.0	42.5	0.28
POS20	20	M20 × 1.5	25	18	47	50	78	103	34.925	0.3	24.4	14	31.5	52.5	0.38
POS22	22	M22 × 1.5	28	20	51	54	84	111	38.10	0.3	25.8	15	38.0	57.0	0.48
POS25	25	M24 × 2.0	31	22	57	60	94	124	42.85	0.3	29.6	15	47.5	68.0	0.64
POS28	28	M27 × 2.0	35	24	62	66	103	136	47.60	0.3	32.3	15	58.0	75.5	0.96
POS30	30	M30 × 2.0	37	25	66	70	110	145	50.80	0.3	34.8	17	64.0	88.0	1.10

For left-hand thread, please add surffix L,e.g POSL8.

If needs the stainless steel metering please to add S behind the model row for example: POS8 S.

Inch Standard Rod End Bearing

PHSB...

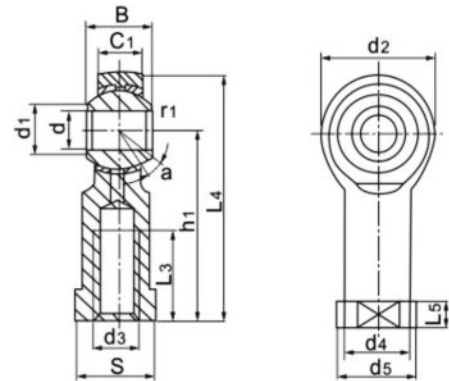
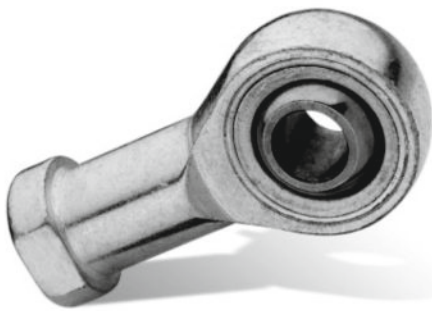
Bearing with a stretching rod, stretching rod with right or left-hand female thread.

The type PHSB..S is as PHS...

The dimensions in inch

The type PHSB..is swaged. the dimensions in inch

Spherical surface of inner ring with chromium plating, to plate zinc on the surface of rod body.



Model Number	Dimensions(mm)														Load ratings (KN)			Weight (Kg)
	d	B	r _{1s}	C ₁ max	d ₁ min	d ₂ min	d ₃ max	h ₁	l ₃ max	L ₄ max	L ₅ max	d ₄ max	d ₅ max	S	Dynamic Capacity	Static Capacity	a°	
PHSB 3	4.826	7.925	0.3	6.35	7.8	15.88	10-32	26.97	14.27	34.93	4.75	7.54	10.31	7.92	3.4	4.6	10	0.015
PHSB 4	6.35	9.53	0.3	7.14	8.4	19.05	1/4-28	33.32	29.05	42.85	4.75	9.15	11.91	9.53	4.5	7.7	13	0.025
PHSB 5	7.938	11.10	0.3	8.74	11.4	22.23	5/16-24	34.93	19.05	46.02	4.75	10.72	12.70	11.10	6.9	8.4	10	0.036
PHSB 6	9.525	12.70	0.6	10.31	13.1	25.40	3/8-24	41.28	23.80	53.98	6.35	13.89	17.45	14.27	9.4	10	9	0.061
PHSB 7	11.113	14.27	0.6	11.10	14.9	28.58	7/16-20	46.02	26.97	60.33	6.35	15.49	19.05	15.88	11	13	11	0.081
PHSB 8	12.70	15.88	0.6	12.70	17.7	33.32	1/2-20	53.98	30.15	70.64	6.35	18.67	22.23	19.05	15	19	9	0.133
PHSB 10	15.875	19.05	0.6	14.27	21.3	38.10	5/8-18	63.50	38.10	82.55	7.92	21.84	25.40	22.23	20	21	11	0.190
PHSB 12	19.05	22.23	0.6	17.45	24.8	44.45	3/4-16	73.03	44.45	95.25	7.92	25.02	28.58	25.40	29	29	10	0.285
PHSB 16	25.40	34.93	0.6	25.40	32.2	69.85	5/4-12	104.7	53.98	139.70	11.10	37.72	44.45	38.10	60	101	14	1.00

For left-hand thread surrix "L" is added to bearing number and thread. sign e.g. PHSB6L M3/8x 24gL

The surface of spherical plain with a bronze line

To plate zine on the surface of rod body the housing with a lubrication or grease nipple

Inch Standard Rod End Bearing

POSB...

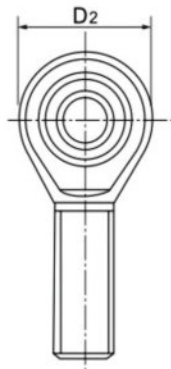
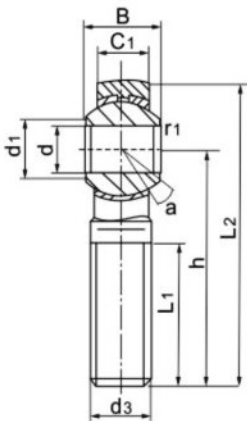
Bearing with a stretching rod, stretching rod with right or left-hand male thread.

The type POSB..S is as POS...

The dimensions in inch

The type POSB..is swaged. the dimensions in inch

Spherical surface of inner ring with chromium plating, to plate zinc on the surface of rod body.



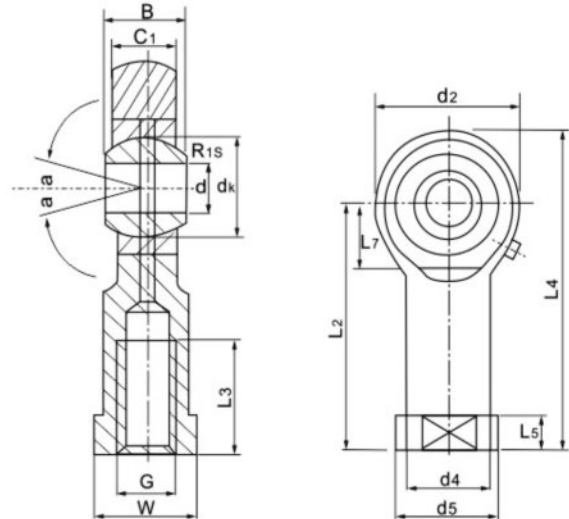
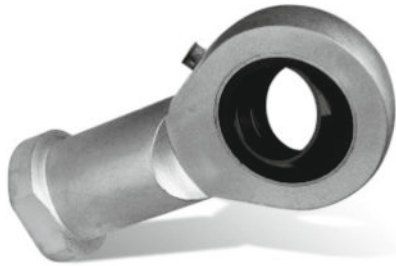
Model Number	Dimensions(mm)										Load ratings (KN)			Weight (Kg)
	d	B	r _{1s}	C ₁ max	d ₁ min	d ₂ max	d ₃	h	L ₁ min	L ₂ max	Dynamic Capacity	Static Capacity	a°	
POSB 3	4.83	7.92	0.3	6.35	7.8	15.88	10-32	31.75	19.05	39.70	3.4	3.8	10	0.013
POSB 4	6.35	9.53	0.3	7.14	8.4	19.05	1/4-28	39.67	25.40	49.20	4.5	6.6	13	0.022
POSB 5	7.94	11.10	0.3	8.74	11.4	22.23	5/16-24	47.63	31.75	58.72	6.9	8.4	10	0.037
POSB 6	9.53	12.70	0.6	10.31	13.1	25.40	3/8-24	49.23	31.75	61.93	9.4	10	9	0.055
POSB 7	11.11	14.27	0.6	11.10	14.9	28.58	7/16-20	53.98	34.93	68.28	11	13	11	0.078
POSB 8	12.70	15.88	0.6	12.70	17.7	33.32	1/2-20	61.93	38.10	78.59	15	19	9	0.12
POSB 10	15.88	19.05	0.6	14.27	21.7	38.10	5/8-18	66.68	41.28	85.73	20	21	11	0.18
POSB 12	19.05	22.23	0.6	17.45	24.8	44.45	3/4-16	73.03	44.45	95.29	29	29	10	0.29
POSB 16	25.40	34.93	0.6	25.40	32.2	69.85	5/4-12	104.78	53.98	139.70	60	101	14	1.1

For left-hand thread surfix "L" is added to bearing number and thread. sign e.g. POSB6L M3/8x 24gL

The surface of spherical plain with a bronze line

To plate zine on the surface of rod body the housing with a lubrication or grease nipple

Rod End Bearing Female combination (E series) SI...ES



Bearings number	Dimensions(mm)														a°	Load ratings		Weight (kg)
	dk	L5	W	d4	d5	R _{1s} min	d	B	C ₁	d _{2 max}	L ₃	L ₂	L ₄	G		Dynamic	Static	
SI5E	10	5	10	10	13	0.3	5	6	4.4	21	11	30	42	M5×0.8	13	3.4	8.1	0.021
SI6E	10	5	11	10	13	0.3	6	6	4.4	21	11	30	40.5	M6×1.0	13	3.4	8.15	0.039
SI8E	13	5	14	12.5	16	0.3	8	8	6.0	24	15	36	48	M8×1.25	15	5.5	12.9	0.061
SI10E	16	6.5	17	15	19	0.3	10	9	7.0	29	20	43	57.5	M10×1.5	12	8.15	17.6	0.096
SI12E	18	6.5	19	17.5	22	0.3	12	10	8.0	34	23	50	67	M12×1.75	11	10.8	24.5	0.180
SI15ES	22	8	22	21	26	0.3	15	12	10.0	40	30	61	81	M14×2.0	8	17	36	0.220
SI17ES	25	10	27	24	30	0.3	17	14	11.0	46	34	67	90	M16×2.0	10	21.2	45	0.350
SI20ES	29	10	32	27.5	35	0.6	20	16	13.0	53	40	77	103.5	M20×1.5	9	30	60	0.640
SI25ES	35.5	12	36	33.5	42	0.6	25	20	17	64	48	94	126	M24×2	7	48	83	0.930
SI30ES	40.7	15	41	40	50	0.6	30	22	19	73	56	110	146.5	M30×2	6	62	110	1.30
SI35ES	47	15	50	47	58	0.6	35	25	21	82	60	125	166	M36×2	6	80	146	2.00
SI40ES	53	18	55	52	65	0.6	40	28	23	92	65	142	188	M39×3	7	100	180	2.50
SI45ES	60	20	60	58	70	0.6	45	32	27	102	65	145	196	M42×2	7	127	240	3.50
SI50ES	66	20	65	62	75	0.6	50	35	30	112	68	160	216	M45×3	6	156	290	5.50
SI60ES	80	20	75	70	88	1.0	60	44	38	135	70	175	242.5	M52×3	6	245	450	8.60
SI70ES	92	20	85	80	98	1.0	70	49	42	160	80	200	280	M56×4	6	315	610	12.0
SI80ES	105	25	100	95	110	1.0	80	55	47	180	85	230	320	M64×4	6	400	750	

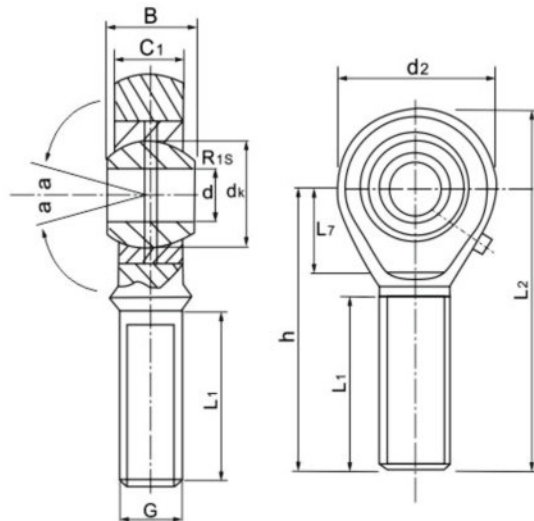
For left-hand thread, suffix L* is added to bearing number and thread sign, e.g. SIL20ES M20X15L-6H

Sliding contact surfaces: Steel

Design and application features:

Combination rod end with male or female thread is made up of a rod end a radial spherical plain bearing of series GE. E or GE.ES, rod end made of carbon steel and zinc coated; Can be lubricated via a nipple or a hole in the rod end. It has characteristic of large load capability, easy mounting and dismounting and mechanism simplification

Rod End Bearing Male combination (E series) SA...ES



Bearings number	Dimensions(mm)										Load ratings		a°	Weight (kg)
	dk	R _{1s} min	d	B	C ₁ max	d ₂ max	L ₁ min	h	L ₂ max	G	Dynamic	Static		
SA5E	10	0.3	5	6	4.4	21	16	36	48	M5×0.8	3.4	3.9	13	0.0011
SA6E	10	0.3	6	6	4.4	21	18	36	46.5	M6×1	3.4	8.15	13	0.017
SA8E	13	0.3	8	8	6.0	24	22	42	54	M8×1.25	5.5	12.9	15	0.029
SA10E	16	0.3	10	9	7.0	29	26	48	62.5	M10×1.5	8.1	17.6	12	0.051
SA12E	18	0.3	12	10	8.0	34	28	54	71	M12×1.75	10.8	24.5	10	0.086
SA15ES	22	0.3	15	12	10.0	40	34	63	83	M14×2	17	36	8	0.014
SA17ES	25	0.3	17	14	11.0	46	36	69	92	M16×2	21	45	10	0.190
SA20ES	29	0.6	20	16	13.0	53	43	78	104.5	M20×1.5	30	60	9	0.310
SA25ES	35.5	0.6	25	20	17	64	53	94	126	M24×2	48	83	7	0.560
SA30ES	40.7	0.6	30	22	19	73	65	110	146.5	M30×2	62	110	6	0.890
SA35ES	47	0.6	35	25	21	82	82	140	181	M36×3	80	146	6	1.4
SA40ES	53	0.6	40	28	23	92	86	150	196	M39×3	100	180	7	1.8
SA45ES	60	0.6	45	32	27	102	94	163	214	M42×2	127	240	7	2.6
SA50ES	66	0.6	50	35	30	112	107	185	241	M45×3	156	290	6	3.4
SA60ES	80	1	60	44	38	135	115	210	277.5	M52×3	245	450	6	5.9
SA70ES	92	1	70	49	42	160	125	235	315	M56×4	315	610	6	8.2
SA80ES	105	1	80	55	47	180	140	270	360	M64×4	400	750	6	12

For left-hand thread, suffix L" is added to bearing number and thread sign, e.g. SAL20ES M20X15L-6H

Sliding contact surfaces: Steel

Design and application features:

Combination rod end with male or female thread is made up of a rod end a radial spherical plain bearing of series GE. E or GE.ES, rod end made of carbon steel and zinc coated; Can be lubricated via a nipple or a hole in the rod end. It has characteristic of large load capability, easy mounting and dismounting and mechanism simplification

Linear Bearing

LM...UU LME...UU



LM...UU
LME...UU



LM...UUAJ
LME...UUAJ

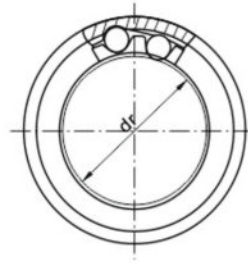
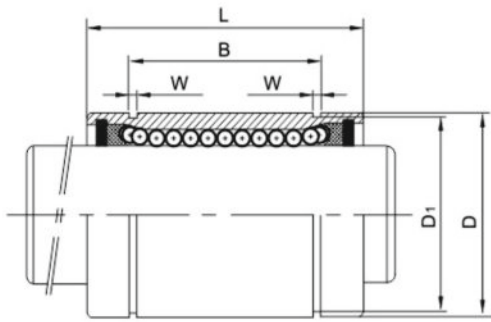


LM...UUOP
LME...UUOP

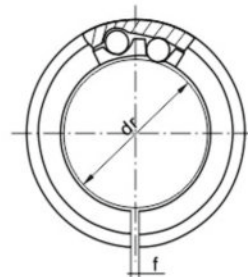
Nominal shaft dia. (mm)	Designation									Major dimensions and tolerance	
	Asia Standard LM...UU	Ball circuit	Weight (g)	LM...UUAJ	Weight (g)	LM...UUOP	Ball circuit	Weight (g)	Tolerance (mm)		
									Precision	High	
3	LM3UU	4	1.35	-	-	-	-	-			
4	LM4UU	4	1.9	-	-	-	-	-	0 -0.005	0 -0.008	
5	LM5UU	4	4	-	-	-	-	-			
6	LM6UU	4	8	LM6-AJ	7.5	-	-	-			
8	LM8SUU	4	11	LM8-SAJ	10	-	-	-			
8	LM8UU	4	16	LM8-AJ	14.7	-	-	-			
10	LM10UU	4	30	LM10-AJ	29	LM10-OP	3	23	0 -0.006	0 -0.009	
12	LM12UU	5	31.5	LM12-AJ	31	LM12-OP	3	25			
13	LM13UU	5	43	LM13-AJ	42	LM13-OP	3	34			
16	LM16UU	5	69	LM16-AJ	68	LM16-OP	3	52			
20	LM20UU	6	87	LM20-AJ	85	LM20-OP	4	69			
25	LM25UU	6	220	LM25-AJ	216	LM25-OP	5	188	0 -0.007	0 -0.0010	
30	LM30UU	6	250	LM30-AJ	245	LM30-OP	5	210			
35	LM35UU	6	390	LM35-AJ	384	LM35-OP	5	335			
40	LM40UU	6	585	LM40-AJ	579	LM40-OP	5	500	0 -0.008	0 -0.0012	
50	LM50UU	6	1580	LM50-AJ	1560	LM50-OP	5	1340			
60	LM60UU	6	2000	LM60-AJ	1820	LM60-OP	5	1610	0 -0.009	0 -0.0015	
80	LM80UU	6	4420	LM80-AJ	4300	LM80-OP	5	3650			
100	LM100UU	6	8600	LM100-AJ	8540	LM100-OP	5	7200	0 -0.010	0 -0.020	
120	LM120UU	8	14900	LM120-AJ	14900	LM120-OP	6	11600			
150	LM150UU	8	20150	LM150-AJ	20150	LM150-OP	6	15700	0 -0.013	0 -0.025	

Nominal shaft dia. (mm)	Designation									Major dimensions and tolerance	
	Europe Standard LME...UU	Ball circuit	Weight (g)	LME...UUAJ	Weight (g)	LME...UUOP	Ball circuit	Weight (g)	Tolerance (mm)		
									Precision	High	
4	LME4UU	4	1.9	-	-	-	-	-			
5	LME5UU	4	11	LME5-AJ	-	-	-	-			
8	LME8UU	4	20	LME8-AJ	-	-	-	-		+0.008 0	
10	LME10UU	4	29.5	LME10-AJ	29	LME10-OP	3	23			
12	LME12UU	5	41	LME12-AJ	40	LME12-OP	3	32			
16	LME16UU	5	57	LME16-AJ	56	LME16-OP	3	44		+0.009	
20	LME20UU	6	91	LME20-AJ	90	LME20-OP	4	75		-0.001	
25	LME25UU	6	215	LME25-AJ	212	LME25-OP	5	181		+0.011	
30	LME30UU	6	325	LME30-AJ	320	LME30-OP	5	272		-0.001	
40	LME40UU	6	705	LME40-AJ	694	LME40-OP	5	600			
50	LME50UU	6	1130	LME50-AJ	1110	LME50-OP	5	970		+0.013 -0.002	
60	LME60UU	6	2050	LME60-AJ	2000	LME60-OP	5	1580			
80	LME80UU	6	5140	LME60-AJ	4860	LME60-OP	5	4240		+16 -4	

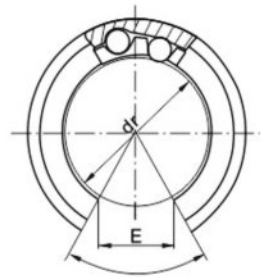
Note: nickel plated linear bearing can be produced according to customer requirement



LM..UU
LME..UU



LM..UUAJ
LME..UUAJ



LM..UUOP
LME..UUOP

Major dimensions and tolerance											Load ratings		Specification Type
D (mm)	Tolerance(mm)	L (mm)	Tolerance(mm)	B (mm)	Tolerance(mm)	W (mm)	D1 (mm)	f (mm)	E (mm)	θ	Dynamic (CN)	Static (CoN)	
7		10		-	-	-	-	-	-	-	69	105	LM3UU
8	0 -0.009	12	0 -0.12	-	-	-	-	-	-	-	88	127	LM4UU
10		15		10.2		1.1	9.6	-	-	-	167	206	LM5UU
12		19		13.5		1.1	11.5	1	-	-	206	265	LM6UU
15	0 -0.011	17		11.5		1.1	14.3	1	-	-	176	216	LM8UU
15		24		17.5		1.1	14.3	1	-	-	274	392	LM8UU
19		29	0 -0.2	22	0 -0.2	1.3	18	1	6.8	80°	372	549	LM10UU
21	0	30		23		1.3	20	1.5	8	80°	510	784	LM12UU
23	0 -0.013	32		23		1.3	22	1.5	9	80°	510	784	LM13UU
28		37		26.5		1.6	27	1.5	11	80°	774	1180	LM16UU
32		42		30.5		1.6	30.5	1.5	11	60°	882	1370	LM20UU
40	0 -0.016	59		41		1.85	38	2	12	50°	980	1570	LM25UU
45		64		44.5		1.85	43	2.5	15	50°	1570	2740	LM30UU
52		70	0 -0.3	49.5	0 -0.3	2.1	49	2.5	17	50°	1670	3140	LM35UU
60	0 -0.019	80		60.5		2.1	57	3	20	50°	2160	4020	LM40UU
80		100		74		2.6	76.5	3	25	50°	3820	7940	LM50UU
90	0 -0.022	110		85		3.15	86.5	3	30	50°	4700	10000	LM60UU
120		140		105.5		4.15	116	3	40	50°	7350	16000	LM80UU
150	0 -0.025	175	0 -0.4	125.5	0 -0.4	4.15	145	3	50	50°	14120	34800	LM100UU
180		200		158.6		4.15	175	3	85	80°	16400	40000	LM120UU
210	0 -0.029	240		170.6		5.15	204	3	105	80°	21100	54300	LM150UU

Major dimensions and tolerance											Load ratings		Specification Type
D (mm)	Tolerance(mm)	L (mm)	Tolerance(mm)	B (mm)	Tolerance(mm)	W (mm)	D1 (mm)	f (mm)	E (mm)	θ	Dynamic (CN)	Static (CoN)	
8		12	0 -0.12	-	-	-	-	-	-	-	88	127	LME 4UU
12	0 -0.008	22		14.5		1.1	11.5	1	-	-	206	265	LME 5UU
16		25		16.5		1.1	15.2	1	-	-	265	402	LME 8UU
19		26		22		1.3	18	1	6.8	80°	372	549	LME 10UU
22	0 -0.009	32	0 -0.2	22.9	0 -0.2	1.3	21	1.5	7.5	78°	510	784	LME 12UU
26		36		24.9		1.3	24.9	1.5	10	78°	578	892	LME 16UU
32	0 -0.011	45		31.5		1.6	30.3	2	10	60°	862	1370	LME 20UU
40		58		44.1		1.85	37.5	2	12.5	60°	980	1570	LME 25UU
47		68	0 -0.3	52.1	0 -0.3	1.85	44.5	2	12.5	50°	1570	2740	LME 30UU
62	0	80		60.6		2.15	59	3	16.8	50°	2160	4020	LME 40UU
75	0 -0.013	100		77.6		2.65	72	3	21	50°	3820	7940	LME 50UU
90	0	125		101.7		3.15	86.5	3	27.2	54°	4700	9800	LME 60UU
120	0 -0.015	165	0 -0.4	133.7	0 -0.4	4.15	116	3	36.3	54°	7350	16000	LME 80UU

Linear Bearing

LM...LUU
LME...LUU

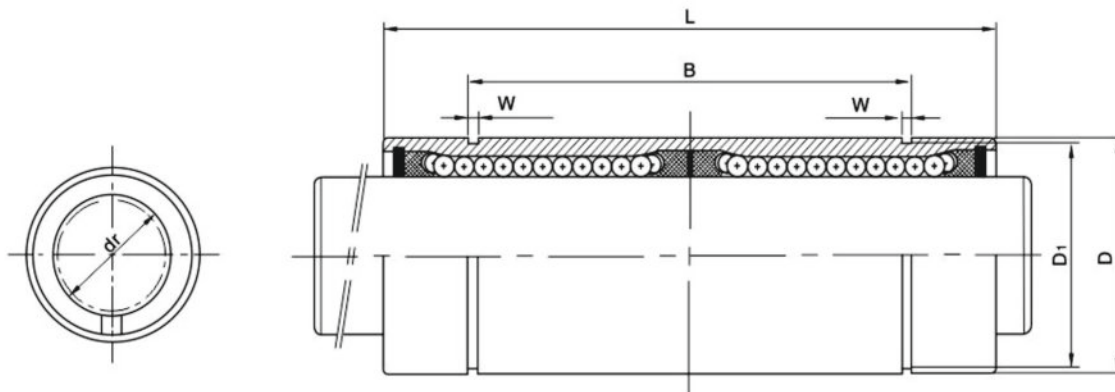


Unit:mm
1N=0.102kgf

Asia Standard LM..LUU	Number of ball rows	Weight(gf)	Inscribed clecle diameter		Outer diameter	
			dr	Tolerance	D	Tolerance
LM3LUU	4	3	3		7	
LM4LUU	4	4	4		8	0
LM5LUU	4	8	5		10	-0.013
LM6LUU	4	16	6	0 -0.010	12	
LM8LUU	4	31	8		15	
LM10LUU	4	62	10		19	
LM12LUU	5	80	12		21	0
LM13LUU	5	90	13		23	-0.016
LM16LUU	5	145	16		28	
LM20LUU	6	180	20		32	
LM25LUU	6	440	25	0 -0.012	40	0 -0.019
LM30LUU	6	580	30		45	
LM35LUU	6	795	35		52	
LM40LUU	6	1170	40	0 -0.012	60	0 -0.022
LM50LUU	6	2100	50		80	
LM60LUU	6	3500	60	0 -0.020	90	0 -0.025

Europe Standard LME..LUU	Number of ball rows	Weight(gf)	Inscribed clecle diameter		Outer diameter	
			dr	Tolerance	D	Tolerance
LME 8LUU	4	31	8	+0.009	16	0 -0.009
LME 12LUU	5	80	12	-0.001	22	0
LME 16LUU	5	145	16	+0.011	26	-0.011
LME 20LUU	6	180	20	-0.001	32	
LME 25LUU	6	440	25	+0.013 -0.002	40	0 -0.013
LME 30LUU	6	580	30		47	
LME 40LUU	6	1170	40		62	0
LME 50LUU	6	3100	50	+0.016 -0.004	75	-0.015
LME 60LUU	6	3500	60		90	0 -0.020

Note:nickel plated linear bearing can be produced according to customer requirement



Unit:mm
1N=0.102kgf

Length		B		W	D1	Eccentricity (max) μm	Radial clearance tolerance	Load ratings		Specification Type
L	Tolerance		Tolerance					Dynamic (CN)	Static (CoN)	
19		-		-	-	10	-2	139	216	LM3LUU
23		-		-	-	10	-3	139	254	LM4LUU
29		20		1.1	9.6	10	-3	263	412	LM5LUU
35		27		1.1	11.5	15	-5	324	529	LM6LUU
45	0 -0.3	35	0 -0.3	1.1	14.3	15	-5	413	784	LM8LUU
55		44		1.3	18	15	-5	588	1100	LM10LUU
57		46		1.3	20	15	-5	657	1200	LM12LUU
61		46		1.3	22	15	-7	814	1570	LM13LUU
70		53		1.6	27	15	-7	1230	2350	LM16LUU
80		61		1.6	30.5	20	-9	1400	2750	LM20LUU
112		82		1.85	38	20	-9	1560	3140	LM25LUU
123		89		1.85	43	20	-9	2490	5490	LM30LUU
135	0 -0.4	99	0 -0.4	2.1	49	25	-13	2650	6470	LM35LUU
154		121		2.1	57	25	-13	3430	8040	LM40LUU
192		148		2.6	76.5	25	-13	6080	15900	LM50LUU
211		170		3.15	86.5	25	-16	7650	20000	LM60LUU

Length		B		W	D1	Eccentricity (max) μm	Radial clearance tolerance	Load ratings		Specification Type
L	Tolerance		Tolerance					Dynamic (CN)	Static (CoN)	
45		33		1.1	15.2			431	784	LME 8LUU
57	0 -0.3	45.8	0 -0.3	1.3	21	15	15	657	1200	LME 12LUU
70		49.8		1.3	24.9			1230	2350	LME 16LUU
80		61		1.6	30.5			1400	2750	LME 20LUU
112		82		1.85	38	17	20	1560	3140	LME 25LUU
123		104.2		1.85	44.5			2490	5490	LME 30LUU
154	0 -0.4	121.2	0 -0.4	2.15	59	20		3430	8040	LME 40LUU
192		155.2		2.65	72		25	6080	15900	LME 50LUU
211		170		3.15	86.5	25		7650	20000	LME 60LUU

Linear Bearing



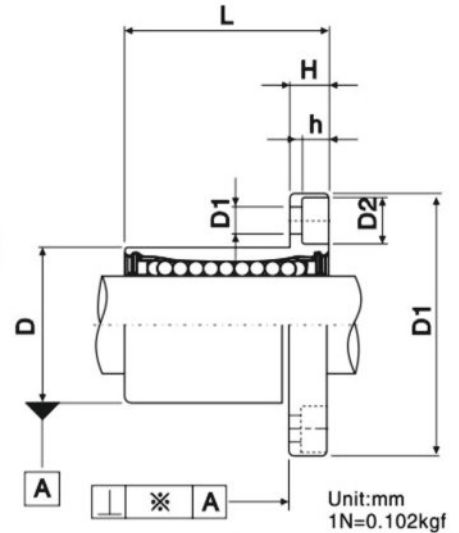
LMF..UU
LMEF..UU



LMK..UU
LMEK..UU



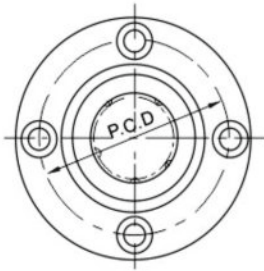
LMH..UU
LMEH..UU



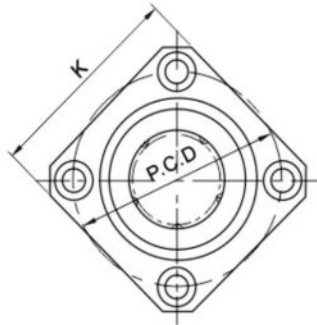
Model Specification			Ball circuit	Weight (g)	Allowable diameter tolerance (μm)	Load ratings		Inner diameter	
Round Flange	Square Flange	Oval Flange				Dynamic (CN)	Static (CoN)	dr (mm)	tolerance (μm)
LMF 6UU	LMK 6UU	LMH 6UU	4	26.5	-5	200	260	6	
LMF 8UU	LMK 8UU	-	4	34	-5	170	220	8	
LMF 10UU	LMK 10UU	LMH 10UU	4	78	-5	370	540	10	$^0_{-9}$
LMF 12UU	LMK 12UU	LMH 12UU	4	76	-5	410	590	12	
LMF 13UU	LMK 13UU	LMH 13UU	4	94	-7	500	770	13	
LMF 16UU	LMK 16UU	LMH 16UU	5	134	-7	770	1170	16	
LMF 20UU	LMK 20UU	LMH 20UU	5	180	-9	860	1370	20	
LMF 25UU	LMK 25UU	LMH 25UU	6	340	-9	980	1560	25	$^0_{-10}$
LMF 30UU	LMK 30UU	LMH 30UU	6	460	-9	1560	2740	30	
LMF 35UU	LMK 35UU	-	6	795	-13	1660	3130	35	
LMF 40UU	LMK 40UU	-	6	1054	-13	2150	4010	40	$^0_{-12}$
LMF 50UU	LMK 50UU	-	6	2200	-13	3820	7930	50	
LMF 60UU	LMK 60UU	-	6	2960	-16	4700	9990	60	$^0_{-15}$
LMF 80UU	LMK 80UU	-	6	5800	-20	7350	16000	80	
LMF 100UU	LMK 100UU	-	6	10600	-30	14100	34800	100	$^0_{-20}$

Model Specification			Ball circuit	Weight (g)	Allowable diameter tolerance (μm)	Load ratings		Inner diameter	
Round Flange	Square Flange	Dynamic (CN)				Static (CoN)	dr (mm)	tolerance (μm)	
LMEF8UU	LMEK8UU	4	44	-5	260	400	8		
LMEF12UU	LMEK12UU	4	86	-5	500	770	12	$^{+8}_0$	
LMEF16UU	LMEK16UU	5	120	-7	570	890	16		
LMEF20UU	LMEK20UU	5	184	-9	860	1370	20	$^{+9}_{-1}$	
LMEF25UU	LMEK25UU	6	335	-9	980	1560	25		
LMEF30UU	LMEK30UU	6	545	-9	1560	2740	30	$^{+11}_{-1}$	
LMEF40UU	LMEK40UU	6	1185	-13	2150	4010	40		
LMEF50UU	LMEK50UU	6	1730	-13	3820	7930	50	$^{+13}_{-2}$	
LMEF60UU	LMEK60UU	6	3180	-16	4700	9990	60		

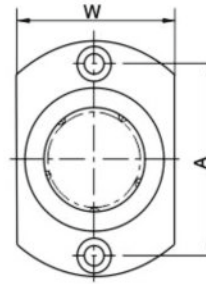
Note: nickel plated linear bearing can be produced according to customer requirement
Can provide steel retainer linear bearing, please contact SHAC in advance



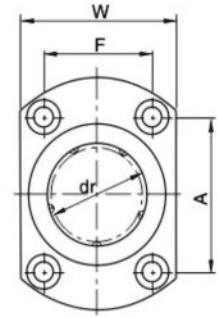
LMF..UU
LMEF..UU



LMK..UU
LMEK..UU



LMH..UU
LMEH..UU



Unit:mm
1N=0.102kgf

dimensions (mm)													Specification Type
Outer diameter (mm)	Length (mm)		D1 (mm)		H	PCD	K	W	A	F	Squareness tolerance * (μ m)	d1 x d2 x h	
	Tolerance (μ m)	Tolerance (μ m)	Tolerance (μ m)	Tolerance (μ m)									
12		19		28	5	20	22	18	20	-	12	3.4 X 6.5 X 3.3	LMF/K/H 6UU
15	0 -11	17		32	5	24	25	-	-	-	12	3.4 X 6.5 X 3.3	LMF/K 8SUU
15		24	0	32	5	24	25	21	24	-	12	3.4 X 6.5 X 3.3	LMF/K/H 8UU
19		29	-0.2	40	6	29	30	25	29	-	12	4.5 X 8 X 4.4	LMF/K/H 10UU
21	0 -13	30		42	6	32	32	27	32	-	12	4.5 X 8 X 4.4	LMF/K/H 12UU
23		32		43	6	33	34	29	33	-	12	4.5 X 8 X 4.4	LMF/K/H 13UU
28		37		48	6	38	37	34	31	22	12	4.5 X 8 X 4.4	LMF/K/H 16UU
32		42		54	8	43	42	38	36	24	15	5.5 X 9.5 X 5.4	LMF/K/H 20UU
40	0 -16	59		62	8	51	50	46	40	32	15	5.5 X 9.5 X 5.4	LMF/K/H 25UU
45		64	0 -0.3	74	10	60	58	51	49	35	15	6.6 X 11 X 6.5	LMF/K/H 30UU
52		70		82	10	67	64	-	-	-	20	6.6 X 11 X 6.5	LMF/K/H 35UU
60	0 -19	80		96	13	78	75	-	-	-	20	9 X 14 X 8.6	LMF/K/H 40UU
80		100		116	13	98	92	-	-	-	20	9 X 14 X 8.6	LMF/K/H 50UU
90	0 -22	110		134	18	112	106	-	-	-	25	11 X 17.5 X 10.8	LMF/K/H 60UU
120	0 -25	140	0 -300	164	18	142	136	-	-	-	30	11 X 17.5 X 10.8	LMF/K/H 80UU
150	0 -29	175		200	20	175	170	-	-	-	40	14 X 20 X 13.1	LMF/K/H 100UU

dimensions (mm)											Specification Type
Outer diameter (mm)	Length (mm)		D1 (mm)		H	PCD	K	Squareness tolerance * (μ m)	d1 x d2 x h		
	Tolerance (μ m)	Tolerance (μ m)	Tolerance (μ m)	Tolerance (μ m)							
16	0 -8	25		32	5	24	25	12	3.4 X 6.5 X 3.3	LMEF/K 8LUU	
22	0 -9	32	0 -0.2	42	6	32	32	12	4.5 X 8 X 4.4	LMEF/K 12LUU	
26		36		46	6	36	35	12	4.5 X 8 X 4.4	LMEF/K 16LUU	
32		45		54	8	43	42	15	5.5 X 9.5 X 5.4	LMEF/K 20LUU	
40	0 -11	58		62	8	51	50	15	5.5 X 9.5 X 5.4	LMEF/K 25LUU	
47		68		76	10	62	60	15	6.6 X 11 X 6.5	LMEF/K 30LUU	
62	0 -13	80	0 -0.3	98	13	80	75	20	9 X 14 X 8.6	LMEF/K 40LUU	
75		100		112	13	94	88	20	9 X 14 X 8.6	LMEF/K 50LUU	
90	0 -15	125	0 -0.4	134	18	112	106	25	11 X 17.5 X 10.8	LMEF/K 60LUU	

Linear Bearing



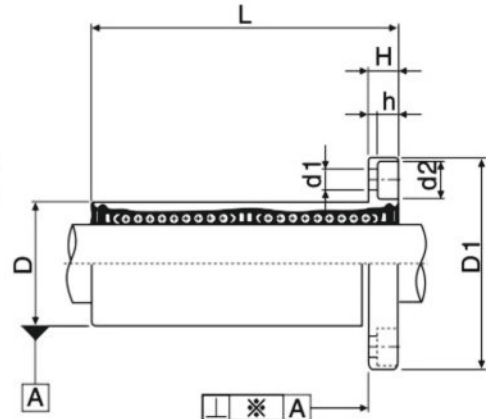
LMK..LUU
LMEK..LUU



LMF..LUU
LMEF..LUU



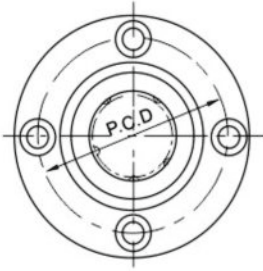
LMH..LUU



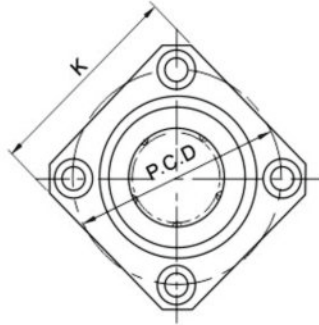
Unit:mm
1N=0.102kgf

Model Specification			Ball circuit	Weight (g)	Allowable diameter tolerance (μm)	Load ratings		Inner diameter	
Round Flange Lengthen	Square Flange Lengthen	Oval Flange Lengthen				Dynamic (CN)	Static (CoN)	dr (mm)	tolerance (μm)
LMF 6LUU	LMK 6LUU	LMH 6LUU	4	31	-5	320	520	6	
LMF 8LUU	LMK 8LUU	LMH 8LUU	4	53	-5	430	780	8	
LMF 10LUU	LMK 10LUU	LMH10LUU	4	105	-5	580	1100	10	$\begin{matrix} 0 \\ -10 \end{matrix}$
LMF 12LUU	LMK 12LUU	LMH12LUU	4	100	-5	650	1200	12	
LMF13LUU	LMK 13LUU	LMH13LUU	4	130	-7	810	1570	13	
LMF16LUU	LMK 16LUU	LMH16LUU	5	187	-7	1230	2350	16	
LMF 20LUU	LMK 20LUU	LMH 20LUU	5	260	-9	1400	2750	20	
LMF 25LUU	LMK 25LUU	LMH 25LUU	6	515	-9	1560	3140	25	$\begin{matrix} 0 \\ -12 \end{matrix}$
LMF 30LUU	LMK 30LUU	LMH 30LUU	6	655	-9	2490	5490	30	
LMF 35LUU	LMK 35LUU	-	6	970	-13	2650	6470	35	
LMF 40LUU	LMK 40LUU	-	6	1560	-13	3430	8040	40	$\begin{matrix} 0 \\ -15 \end{matrix}$
LMF 50LUU	LMK 50LUU	-	6	3500	-13	6080	15900	50	
LMF 60LUU	LMK 60LUU	-	6	4500	-16	7650	20000	60	$\begin{matrix} 0 \\ -20 \end{matrix}$
LMEF8LUU	LMEK8LUU	-	4	53	-5	430	780	8	
LMEF12LUU	LMEK12LUU	-	4	100	-5	650	1200	12	$\begin{matrix} +9 \\ -1 \end{matrix}$
LMEF16LUU	LMEK16LUU	-	5	187	-7	1230	2350	16	$\begin{matrix} +11 \\ -1 \end{matrix}$
LMEF20LUU	LMEK20LUU	-	5	260	-9	1400	2750	20	
LMEF25LUU	LMEK25LUU	-	6	515	-9	1560	3140	25	$\begin{matrix} +13 \\ -2 \end{matrix}$
LMEF30LUU	LMEK30LUU	-	6	655	-9	2490	5490	30	
LMEF40LUU	LMEK40LUU	-	6	1560	-13	3430	8040	40	
LMEF50LUU	LMEK50LUU	-	6	3500	-13	6080	15900	50	$\begin{matrix} +16 \\ -4 \end{matrix}$
LMEF60LUU	LMEK60LUU	-	6	4500	-16	7650	20000	60	

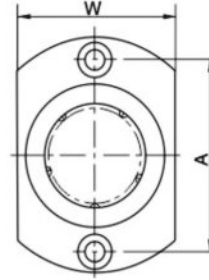
Note:nickel plated linear bearing can be produced according to customer requirement
Can provide steel retainer linear bearing,please contact SHAC in advance



LMF..LUU
LMEF..LUU



LMK..LUU
LMEK..LUU



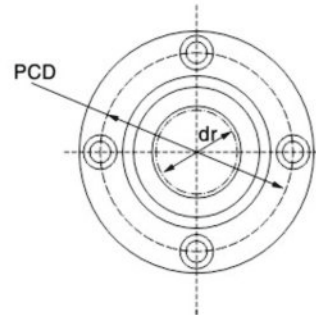
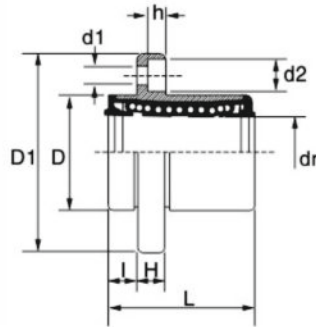
LMH..LUU

Unit:mm
1N=0.102kgf

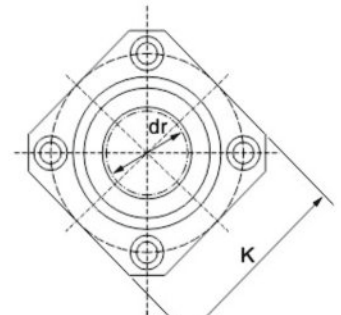
dimensions (mm)														Specification Type
Outer diameter		Length		D1		H	P.C.D	K	W	A	F	Squareness tolerance * (μ m)	d1 x d2 x h	
(mm)	Tolerance (μ m)	(mm)	Tolerance (μ m)	(mm)	Tolerance (μ m)									
12	0	35		28		5	20	22	18	20	-	15	3.4 X 6.5 X 3.3	LMF/K/H 6LUU
15	-13	45		32		5	24	25	21	24	-	15	3.4 X 6.5 X 3.3	LMF/K/H 8LUU
19		55		40		6	29	30	25	29	-	15	4.5 X 8 X 4.4	LMF/K/H 10LUU
21	0	57	0 -0.2	42		6	32	32	27	32	-	15	4.5 X 8 X 4.4	LMF/K/H 12LUU
23	-16	61		43	0 -0.2	6	33	34	29	33	-	15	4.5 X 8 X 4.4	LMF/K/H 13LUU
28		70		48		6	38	37	34	31	22	15	4.5 X 8 X 4.4	LMF/K/H 16LUU
32		80		54		8	43	42	38	36	24	20	5.5 X 9.5 X 5.4	LMF/K/H 20LUU
40	0 -19	112		62		8	51	50	46	40	32	20	5.5 X 9.5 X 5.4	LMF/K/H 25LUU
45		123		74		10	60	58	51	49	35	20	6.6 X 11 X 6.5	LMF/K/H 30LUU
52		135	0	82		10	67	64	-	-	-	25	6.6 X 11 X 6.5	LMF/K/H 35LUU
60	0 -22	154	-0.3	96		13	78	75	-	-	-	25	9 X 14 X 8.6	LMF/K/H 40LUU
80		192		116	0 -0.3	13	98	92	-	-	-	25	9 X 14 X 8.6	LMF/K/H 50LUU
90	0 -25	211		134		18	112	106	-	-	-	25	11 X 17.5 X 10.8	LMF/K/H 60LUU
16	0 -9	45		32		5	24	25	-	-	-	15	3.4 X 6.5 X 3.3	LMEF/K 8LUU
22	0	57	0	42		6	32	32	-	-	-	15	4.5 X 8 X 4.4	LMEF/K 12LUU
26	-11	70	-0.3	46	0	6	36	35	-	-	-	15	4.5 X 8 X 4.4	LMEF/K 16LUU
32		80		54	-0.2	8	43	42	-	-	-	17	5.5 X 9.5 X 5.4	LMEF/K 20LUU
40	0 -13	112		62		8	51	50	-	-	-	17	5.5 X 9.5 X 5.4	LMEF/K 25LUU
47		123		76		10	62	60	-	-	-	17	6.6 X 11 X 6.5	LMEF/K 30LUU
62	0 -15	154	0 -0.4	98		13	80	75	-	-	-	20	9 X 14 X 8.6	LMEF/K 40LUU
75		192		112	-0.3	13	94	88	-	-	-	20	9 X 14 X 8.6	LMEF/K 50LUU
90	0 -20	211		134		18	112	106	-	-	-	25	11 X 17.5 X 10.8	LMEF/K 60LUU

Linear Bearing

LMFP...UU LMKP...UU



LMFP



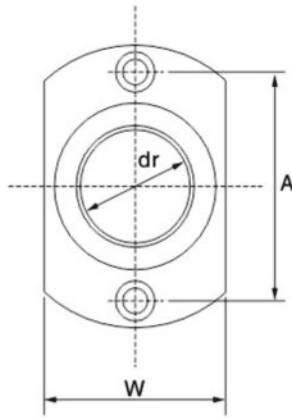
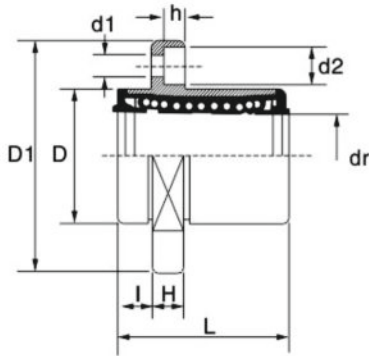
LMKP

Specification type	Ball Circuit	Dr (mm)	Dimensions(mm)										Eccentricity	Load ratings		Weight (g)
			Tolerance (μm)	D (mm)	Tolerance (μm)	L ±0.3 (mm)	l (mm)	D1 (mm)	K (mm)	H (mm)	PCD (mm)	D1 × d2 × h		Dynamic (CN)	Static (CoN)	
LMFP6UU	4	6		12	0	19	5	28	22	5	20	3.5×6×3.1	12	206	265	24
LMFP8UU	4	8		15	-13	24	5	32	25	5	24	3.5×6×3.1		274	392	37
LMFP10UU	4	10	0	19		29	6	40	30	6	29	4.5×7.5×4.1		372	549	72
LMFP12UU	4	12	-9	21	0	30	6	42	32	6	32	4.5×7.5×4.1		510	784	76
LMFP13UU	4	13		23	-16	32	6	43	34	6	33	4.5×7.5×4.1		510	784	88
LMFP16UU	5	16		28		37	6	48	37	6	38	4.5×7.5×4.1		774	1180	120
LMFP20UU	5	20		32		42	8	54	42	8	43	5.5×9×5.1		882	1370	180
LMFP25UU	6	25	0 -10	40	0 -19	59	8	62	50	8	51	5.5×9×5.1	15	980	1570	340
LMFP30UU	6	30		45		64	10	74	58	10	60	6.6×11×6.1		1570	2740	470
LMFP35UU	6	35		52		70	10	82	64	10	67	6.6×11×6.1		1670	3140	650
LMFP40UU	6	40	0 -12	60	0 -22	80	13	96	75	13	78	9×14×8.1	20	2160	4020	1060
LMFP50UU	6	50		80		100	13	116	92	18	98	9×14×8.1		3820	7940	2200
LMFP60UU	6	60	0 -15	90	0 -25	110	18	134	106	18	112	11×17×11.1	25	4700	10000	3000

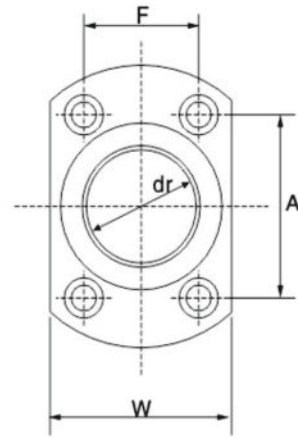
Note: nickel plated linear bearing can be produced according to customer requirement

Linear Bearing

LMHP...UU



LMHP6~LMHP13

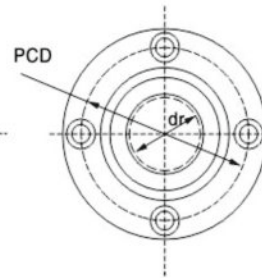
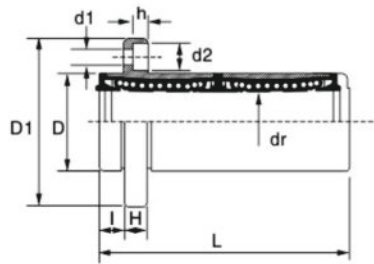


LMHP16~LMHP30

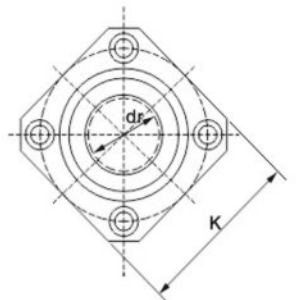
Specification type	Ball Circuit	Dr (mm)	Dimensions(mm)		L ±0.3 (mm)	I (mm)	D1 (mm)	W (mm)	H (mm)	A (mm)	F (mm)	D1 x d2 x h	Eccentricity	Load ratings		Weight (g)	
			Tolerance (μm)	D (mm)										Tolerance (μm)	Dynamic (CN)		Static (CoN)
LMHP6UU	4	6		12	0	19	5	28	18	5	20	-	3.5×6×3.1	12	206	265	21
LMHP8UU	4	8		15	-13	24	5	32	21	5	24	-	3.5×6×3.1	12	274	392	33
LMHP10UU	4	10	0	19		29	6	40	25	6	29	-	4.5×7.5×4.1	12	372	549	64
LMHP12UU	4	12	-9	21	0	30	6	42	27	6	32	-	4.5×7.5×4.1	12	510	784	68
LMHP13UU	4	13		23	-16	32	6	43	29	6	33	-	4.5×7.5×4.1	12	510	784	81
LMHP16UU	5	16		28		37	6	48	34	6	31	22	4.5×7.5×4.1	12	774	1180	112
LMHP20UU	5	20		32		42	8	54	38	8	36	24	5.5×9×5.1	15	882	1370	167
LMHP25UU	6	25	0	40	0	59	8	62	46	8	40	32	5.5×9×5.1	15	980	1570	325
LMHP30UU	6	30	-10	45	-19	64	10	74	51	10	49	35	6.6×11×6.1	15	1570	2740	388

Linear Bearing

LMFP...LUU LMKP...LUU



LMFP L



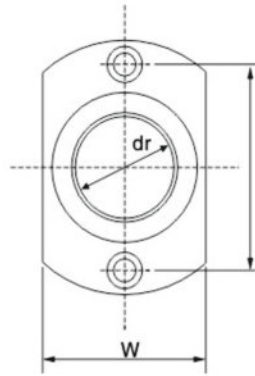
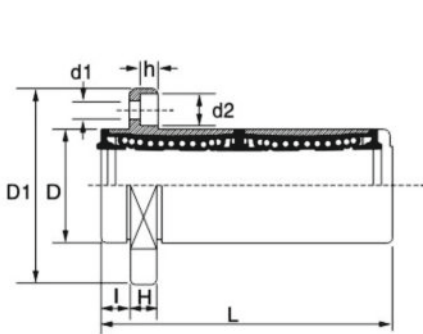
LMKP L

Specification type	Ball Circuit	Dr (mm)	Dimensions(mm)										Eccentricity	Load ratings		Weight (g)
			Tolerance (μm)	D (mm)	Tolerance (μm)	L ± 0.3 (mm)	I (mm)	D1 (mm)	K (mm)	H (mm)	PCD (mm)	D1 x d2 x h		Dynamic (CN)	Static (CoN)	
LMFP6LUU	4	6		12	0	35	5	28	22	5	20	3.5×6×3.1	15	323	529	31
LMFP8LUU	4	8	0	15	-13	45	5	32	25	5	24	3.5×6×3.1		431	784	51
LMFP10LUU	4	10	-10	19		55	6	40	30	6	29	4.5×7.5×4.1		588	1100	98
LMFP12LUU	4	12		21	0	57	6	42	32	6	32	4.5×7.5×4.1		813	1570	110
LMFP13LUU	4	13		23	-16	61	6	43	34	6	33	4.5×7.5×4.1		813	1570	130
LMFP16LUU	5	16		28		70	6	48	37	6	38	4.5×7.5×4.1		1230	2350	190
LMFP20LUU	5	20		32		80	8	54	42	8	43	5.5×9×5.1	1400	2740	260	
LMFP25LUU	6	25	0	40	0	112	8	62	50	8	51	5.5×9×5.1	20	1560	3140	540
LMFP30LUU	6	30	-12	45	-19	123	10	74	58	10	60	6.6×11×6.1	2490	5490	680	
LMFP35LUU	6	35		52		135	10	82	64	10	67	6.6×11×6.1	2650	6270	1020	
LMFP40LUU	6	40	0	60	0	151	13	96	75	13	78	9×14×8.1	25	3430	8040	1570
LMFP50LUU	6	50	-15	80	-22	192	13	116	92	13	98	9×14×8.1		6080	15900	3600
LMFP60LUU	6	60	0	90	0	209	18	134	106	18	112	11×17.5×10.8	7550	20000	4500	

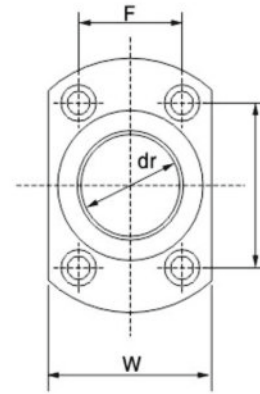
Note: nickel plated linear bearing can be produced according to customer requirement

Linear Bearing

LMHP...LUU



LMHP6L~LMHP13L

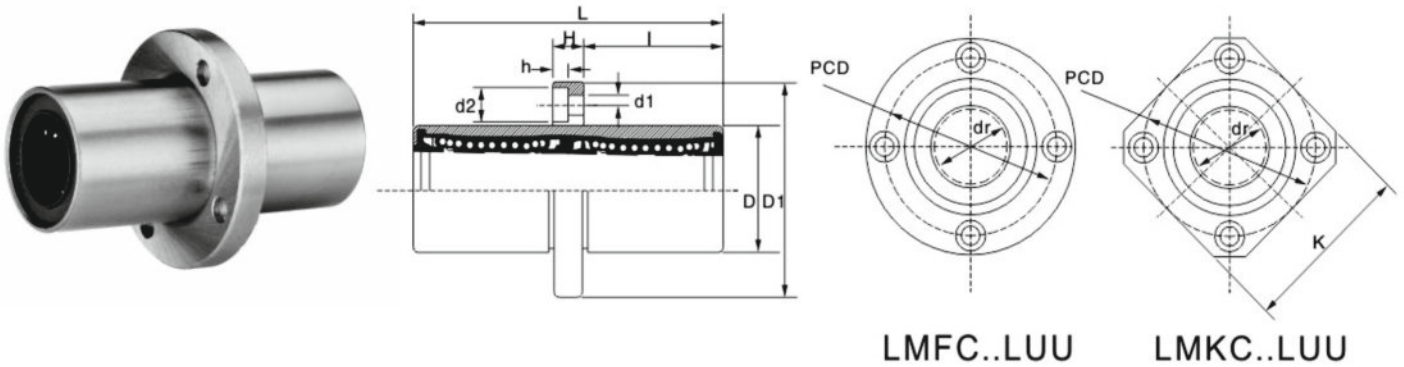


LMHP16L~LMHP30L

Dimensions(mm)														Eccentricity	Load ratings		Weight (g)
Specification type	Ball Circuit	Dr (mm)	Tolerance (μm)	D (mm)	Tolerance (μm)	L ±0.3 (mm)	I (mm)	D1 (mm)	W (mm)	H (mm)	A (mm)	F (mm)	D1 × d2 × h		Dynamic (CN)	Static (CoN)	
LMHP6LUU	4	6		12	0	35	5	28	18	5	20	-	3.5×6×3.1	206	265	21	
LMHP8LUU	4	8		15	-13	45	5	32	21	5	24	-	3.5×6×3.1	274	392	33	
LMHP10LUU	4	10	0	19		55	6	40	25	6	29	-	4.5×7.5×4.1	372	549	64	
LMHP12LUU	4	12	-10	21	0	57	6	42	27	6	32	-	4.5×7.5×4.1	510	784	68	
LMHP13LUU	4	13		23	-16	61	6	43	29	6	33	-	4.5×7.5×4.1	510	784	81	
LMHP16LUU	5	16		28		70	6	48	34	6	31	22	4.5×7.5×4.1	774	1180	112	
LMHP20LUU	5	20		32		80	8	54	38	8	36	24	5.5×9×5.1	882	1370	167	
LMHP25LUU	6	25	0	40	0	112	8	62	46	8	40	32	5.5×9×5.1	980	1570	325	
LMHP30LUU	6	30	-12	45	-19	123	10	74	51	10	49	35	6.6×11×6.1	1570	2740	388	

Linear Bearing

LMFC...LUU LMKC...LUU



LMFC..LUU

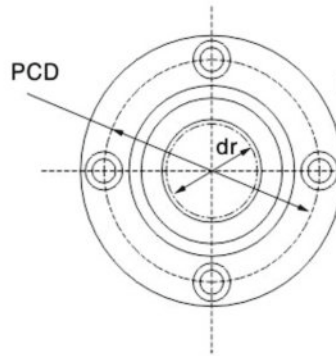
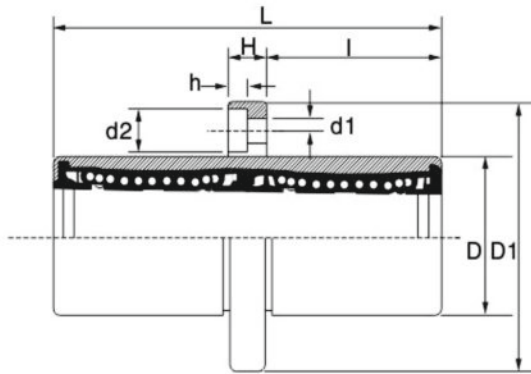
LMKC..LUU

Specification type	Ball Circuit	Dr (mm)	Dimensions(mm)										Eccentricity	Load ratings		Weight (g)
			Tolerance (μm)	D (mm)	Tolerance (μm)	L (± 0.3 mm)	l (mm)	D1 (mm)	K (mm)	H (mm)	PCD (mm)	D1 x d2 x h		Dynamic (CN)	Static (CoN)	
LMFC6LUU	4	6		12	0	35	15	28	22	5	20	3.5×6×3.1	15	323	529	31
LMFC8LUU	4	8		15	-13	45	20	32	25	5	24	3.5×6×3.1		431	784	51
LMFC10LUU	4	10	0	19		55	24.5	40	30	6	29	4.5×7.5×4.1		588	1100	98
LMFC12LUU	4	12	-10	21	0	57	25.5	42	32	6	32	4.5×7.5×4.1		813	1570	110
LMFC13LUU	4	13		23	-16	61	27.5	43	34	6	33	4.5×7.5×4.1		813	1570	130
LMFC16LUU	5	16		28		70	32	48	37	6	38	4.5×7.5×4.1		1230	2350	190
LMFC20LUU	5	20		32		80	36	54	42	8	43	5.5×9×5.1	1400	2740	260	
LMFC25LUU	6	25	0 -12	40	0 -19	112	52	62	50	8	51	5.5×9×5.1	20	1560	3140	540
LMFC30LUU	6	30		45		123	56.5	74	58	10	60	6.6×11×6.1	2490	5490	680	
LMFC35LUU	6	35		52		135	62.5	82	64	10	67	6.6×11×6.1	2650	6270	1020	
LMFC40LUU	6	40	0 -15	60	0 -22	151	69	96	75	13	78	9×14×8.1	25	3430	8040	1570
LMFC50LUU	6	50		80		192	89.5	116	92	13	98	9×14×8.1	6080	15900	3600	
LMFC60LUU	6	60	0 -20	90	0 -25	209	95.5	134	106	18	112	11×17×11.1	30	7550	20000	4500

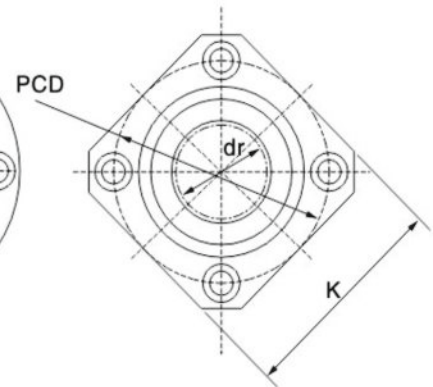
Note: nickel plated linear bearing can be produced according to customer requirement

Linear Bearing

LMEFC...LUU LMEKC...LUU



LMEFC...LUU

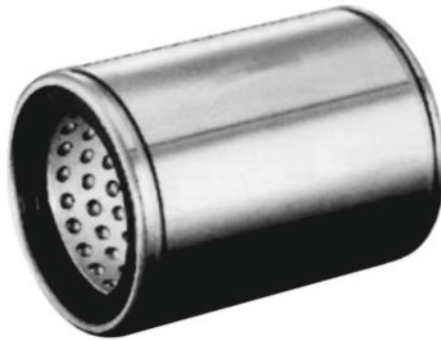


LMEKC...LUU

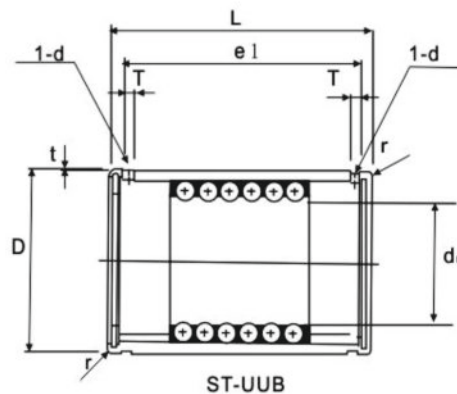
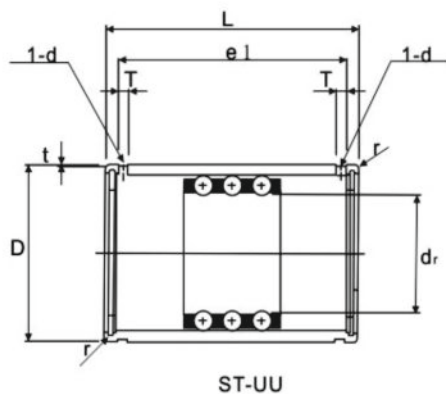
Specification type	Ball Circuit	Dr (mm)	Tolerance (μm)	D (mm)	Tolerance (μm)	Dimensions(mm)							Eccentricity	Load ratings		Weight (g)
						L ±0.3 (mm)	l (mm)	D1 (mm)	K (mm)	H (mm)	PCD (mm)	D1 × d2 × h		Dynamic (CN)	Static (CoN)	
LMEFC8LUU	4	8	+9 -1	16	0 -13	46	20.5	32	25	5	24	3.5×6×3.1	15	431	804	59
LMEFC12LUU	4	12		22	0 -16	61	27.5	42	32	6	32	4.5×7.5×4.1		813	1570	110
LMEFC16LUU	5	16	+11 -1	26		68	31	46	35	6	36	4.5×7.5×4.1		921	1780	160
LMEFC20LUU	5	20		32		80	36	54	42	8	43	5.5×9×5.1		1370	2740	260
LMEFC25LUU	6	25	+13 -2	40	0 -19	112	52	62	50	8	51	5.5×9×5.1	17	1570	3140	540
LMEFC30LUU	6	30		47		123	56.5	76	60	10	62	6.6×11×6.1		2500	5490	815
LMEFC40LUU	6	40		62	0 -22	151	69	98	75	13	80	9×14×8.1	20	3430	8040	1805
LMEFC50LUU	6	50	+16 -4	75		192	89.5	112	88	13	94	9×14×8.1		6080	15900	2820
LMEFC60LUU	6	60		90	0 -25	209	95.5	134	106	18	112	11×17×11.1	25	7550	20000	4920

Linear Bearing (high temperature resistance)

ST...UU
ST...UUB



Specification Type	Travel route (max)	Load ratings		Weight (g)	Specification Type	Travel route (max)	Load ratings		Weight (g)
		Dynamic (CN)	Static (CoN)				Dynamic (CN)	Static (CoN)	
ST 8UU	14	0.98	0.27	17	-	-	-	-	-
ST 10UU	16	2.35	0.62	31	-	-	-	-	-
ST 12UU	17	4.02	1.08	49	-	-	-	-	-
ST 16UU	24	4.02	1.27	80	-	-	-	-	-
ST 20UU	32	4.12	1.57	112	ST 20UUB	12	3.24	8.33	125
ST 25UU	32	4.12	1.76	132	ST 25UUB	12	3.63	8.14	145
ST 30UU	65	9.31	4.12	245	ST 30UUB	27	8.14	18.7	280
ST 35UU	75	9.31	4.51	375	ST 35UUB	37	9.02	18.7	420
ST 40UU	91	9.41	6.18	580	ST 40UUB	49	12.4	25.0	640
ST 45UU	91	12.5	6.76	635	ST 45UUB	49	13.5	25.2	705
ST 50UU	120	12.6	8.82	920	ST 50UUB	70	17.7	32.5	1030
ST 55UU	120	16.3	9.71	1280	ST 55UUB	70	19.3	33.0	1400
ST 60UU	120	16.6	10.5	1370	ST 60UUB	70	21.0	33.6	1490
ST 70UU	120	16.8	11.7	1540	ST 70UUB	70	23.3	33.8	1680
ST 80UU	114	21.3	15.3	2240	ST 80UUB	58	30.6	42.5	2450
ST 90UU	114	21.7	16.9	2470	ST 90UUB	58	33.7	43.3	2700
ST 100UU	114	22.0	18.3	2700	ST 100UUB	58	36.8	43.9	2940

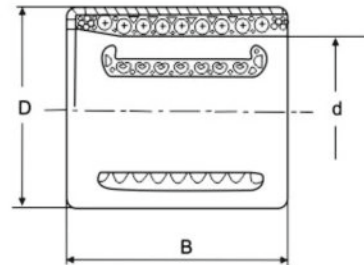
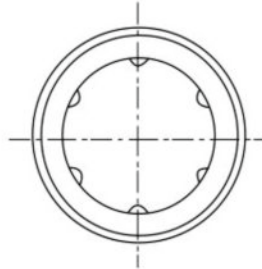
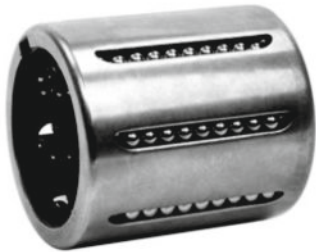


Dimensions(mm)

Inner diameter dr		Outer diameter D		Length L		e1	T	t	d	r
mm	Tolerance (mm)	mm	Tolerance (mm)	mm	Tolerance (mm)					
8	+0.022	15	⁰ / _{-0.008}	24		15.3	1.5	0.5	1.5	0.5
10	+0.013	19		30	⁰ / _{-0.2}	18.5	1.5	0.5	1.5	0.5
12	+0.027	23	⁰ / _{-0.009}	32		20.1	1.5	0.5	1.5	0.5
16	+0.016	28		37		24.1	1.5	0.5	1.5	0.5
20		32	⁰ / _{-0.011}	45		30.8	2	0.5	2	0.5
25	+0.033 +0.020	37		45		30.8	2	0.5	2	1
30		45		65		50.1	2.5	0.5	2.5	1
35		52		70		55.1	2.5	0.7	2.5	1.5
40	+0.041	60		80	⁰ / _{-0.3}	64.9	2.5	0.7	2.5	1.5
45	+0.025	65		80		64.9	2.5	0.7	2.5	1.5
50		72	⁰ / _{-0.013}	100		83.4	3	1	3	1.5
55		80		100		83.4	3	1	3	2
60	+0.049	85		100		83.4	3	1	3	2
70	+0.030	95		100		83.4	3	1	3	2
80		110	⁰ / _{-0.015}	100	⁰ / _{-0.4}	83	3	1.5	3	2
90	+0.058	120		100		83	3	1.5	3	2
100	+0.036	130	⁰ / _{-0.018}	100		83	3	1.5	3	2

Linear bearing

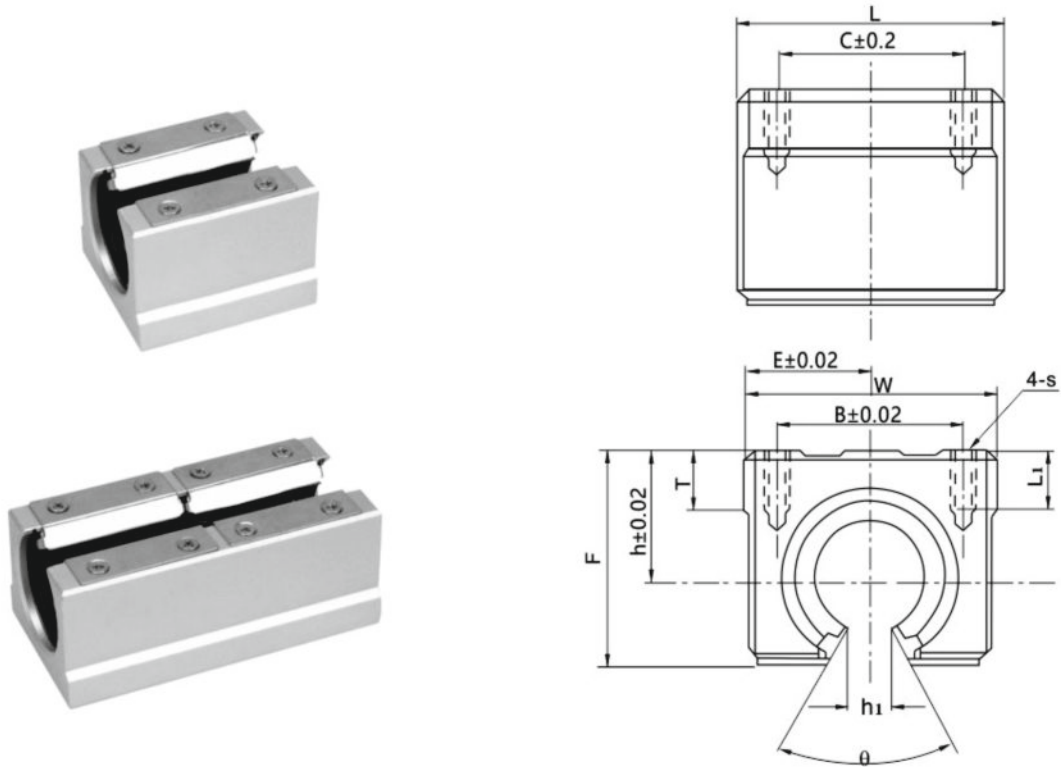
KH



Specification Type	Ball circuit	Weight (g)	Dimensions(mm)			Load ratings	
			d	D	B	Dynamic (CN)	Static (CoN)
KH0824	4	11.3	8	15	24	29	44
KH1026	4	14.4	10	17	26	38	51
KH1228	5	18.1	12	19	28	52	63
KH1428	5	20.6	14	21	28	52	63
KH1630	5	27.2	16	24	30	63	82
KH2030	6	32.7	20	28	30	81	97
KH2540	6	66	25	35	40	170	203
KH3050	7	95	30	40	50	276	286
KH4060	8	180	40	52	60	454	449
KH5070	9	250	50	62	70	643	561

Aluminum Sliding Unit

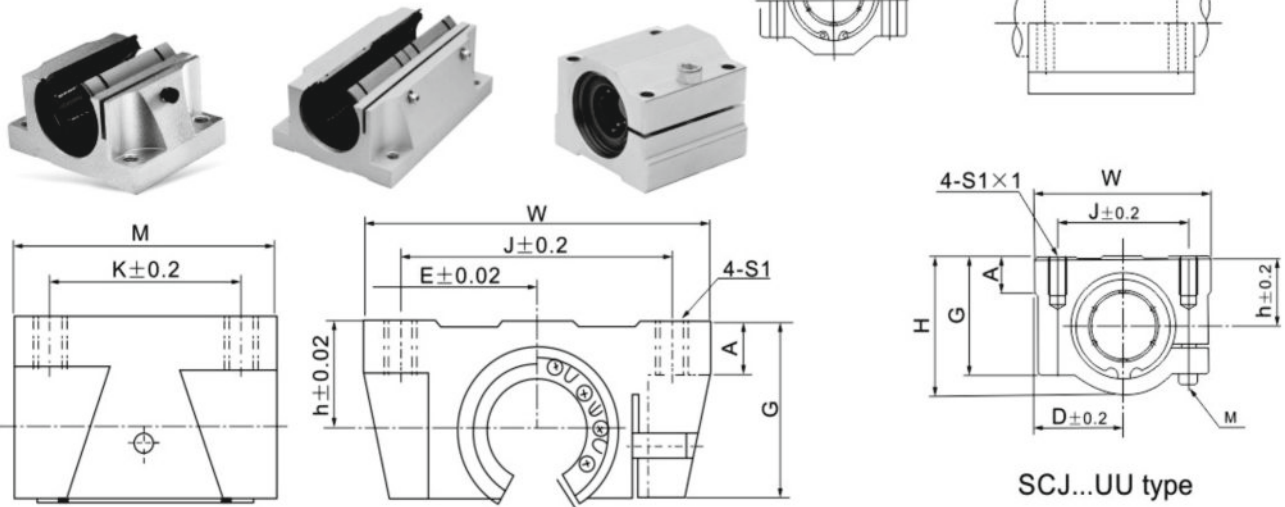
SBR...UU
SBR...LUU



Specification Type	Dimensions (mm)												Slide bush			Weight (g)
	h	E	W	L	F	h1	q	B	C	S	L1	T	Designation	Basic load rating dynamic CN	rating static CoN	
SBR 10UU	15	18	36	32	24	6	80°	25	20	M5	10	7	LM10UU-OP	372	549	65
SBR 13UU	17	20	40	39	27.6	8.5	80°	28	28	M5	10	8	LM13UU-OP	510	784	100
SBR 16UU	20	22.5	45	45	33	10	80°	32	30	M5	12	9	LM16UU-OP	774	1180	150
SBR 20UU	23	24	48	50	39	10	60°	35	35	M6	12	11	LM20UU-OP	882	1370	200
SBR 25UU	27	30	60	65	47	11.5	50°	40	40	M6	12	14	LM25UU-OP	980	1570	450
SBR 30UU	33	35	70	70	56	14	50°	50	50	M8	18	15	LM30UU-OP	1570	2740	630
SBR 35UU	37	40	80	80	63	16	50°	55	55	M8	18	18	LM35UU-OP	1670	3140	925
SBR 40UU	42	45	90	90	72	19	50°	65	65	M10	20	20	LM40UU-OP	2160	4020	1330
SBR 50UU	53	60	120	110	92	23	50°	94	80	M10	20	25	LM50UU-OP	3820	7940	3000
SBR 16LUU	20	22.5	45	85	33	10	80°	32	60	M5	12	9	LM16LUU-OP	1548	2360	300
SBR 20LUU	23	24	48	96	39	10	60°	35	70	M6	12	11	LM20LUU-OP	1764	2740	400
SBR 25LUU	27	30	60	130	47	11.5	50°	40	100	M6	12	14	LM25LUU-OP	1960	3140	900
SBR 30LUU	33	35	70	140	56	14	50°	50	110	M8	18	15	LM30LUU-OP	3140	5480	1260
SBR 40LUU	42	45	90	175	72	19	50°	65	140	M10	20	20	LM40LUU-OP	4320	8040	2660
SBR 50LUU	53	60	120	215	92	23	50°	94	160	M10	160	20	LM50LUU-OP	7640	15880	6000

Aluminum Sliding Unit

TBR...UU TBR...LUU SCJ...UU



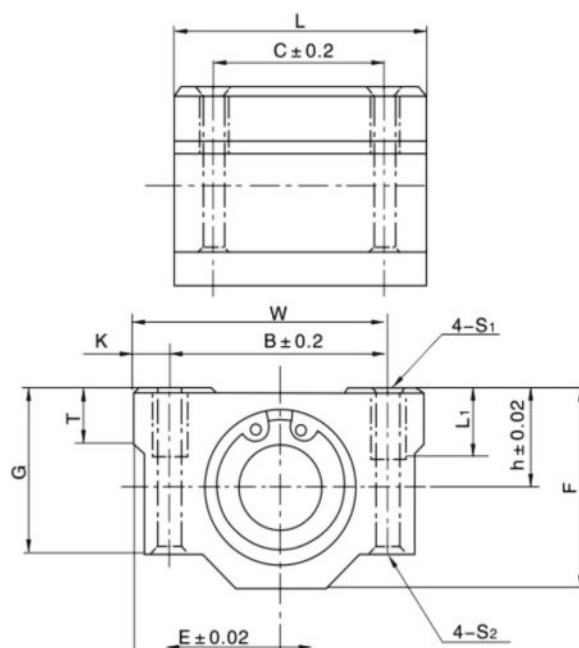
Specification Type	Shaft Dimensions (mm)	Load ratings		Dimensions(mm)								Slide bush		Weight (g)	
		Dynamic (CN)	Static (CoN)	W	G	A	M	S1	J	K	E	h	Inside bearing		Load ratings Dynamic (CN) Static (CoN)
TBR 16UU	φ16	392	490	62	26	8	42	M5	50	30	31	18	LM 16UU-OP	392 490	180
TBR 20UU	φ20	784	1176	68	31	10	31	M6	54	37	34	21	LM 20UU-OP	784 1176	300
TBR 25UU	φ25	1568	2352	82	41	12	41	M8	65	50	41	28	LM 25UU-OP	1568 2352	600
TBR 30UU	φ30	1764	2940	91	48	12	48	M8	75	60	45.5	33.5	LM 30UU-OP	1764 2940	900

TBR 16LUU	φ16	780	980	62	26	8	85	M5	50	60	31	18	LM 16UU-OP × 2	392 490	297
TBR 20LUU	φ20	1568	2352	68	31	10	96	M6	54	70	34	21	LM 20UU-OP × 2	784 1176	429
TBR 25LUU	φ25	3136	4704	82	41	12	130	M8	65	100	41	28	LM 25UU-OP × 2	1568 2352	963
TBR 30LUU	φ30	3528	5880	91	48	12	140	M8	75	110	45.5	33.5	LM 30UU-OP × 2	1764 2940	1243

Specification Type	Inside bearing	Load ratings		Shaft Dimensions (mm)	Dimensions(mm)											Weight (g)	
		Dynamic (CN)	Static (CoN)		h	D	W	H	G	A	J	E	S1×1	K	L		M
SCJ 8UU	LM 8UUAJ	431	784	φ10	11	17	34	22	18	6	24	5	M4 × 8	18	30	M4	
SCJ 10UU	LM 10UUAJ	370	540	φ10	13	20	40	26	21	8	28	6	M5 × 12	21	35	M4	90
SCJ 12UU	LM 12UUAJ	410	590	φ12	15	21	42	28	24	7.4	30.5	5.75	M5 × 12	26	36	M4	112
SCJ 13UU	LM 13UUAJ	500	770	φ13	15	22	44	30	24.5	8	33	5.5	M5 × 12	26	39	M4	123
SCJ 16UU	LM 16UUAJ	770	1170	φ16	19	25	50	38.5	32.5	9	36	7	M5 × 12	34	44	M4	189
SCJ 20UU	LM 20UUAJ	860	1370	φ20	21	27	54	41	35	11	40	7	M5 × 12	40	50	M5	237
SCJ 25UU	LM 25UUAJ	980	1560	φ25	26	38	76	51.5	41	12	54	11	M8 × 18	50	67	M6	555
SCJ 30UU	LM 30UUAJ	1560	2740	φ30	30	39	78	59.5	49	15	58	10	M8 × 18	58	72	M6	685
SCJ 35UU	LM 35UUAJ	1660	3130	φ35	34	45	90	68	54	18	70	10	M8 × 18	60	80	M6	1100
SCJ 40UU	LM 40UUAJ	2150	4010	φ40	40	51	102	78	62	20	80	11	M10 × 25	60	90	M8	1600
SCJ 50UU	LM 50UUAJ	3820	7930	φ50	52	61	122	102	80	24	100	11	M10 × 25	80	110	M8	3350

Aluminum Sliding Unit

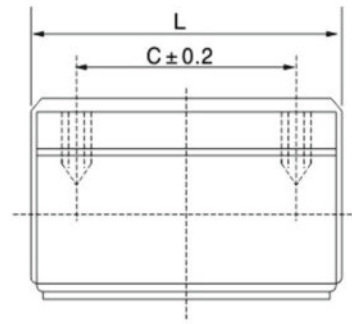
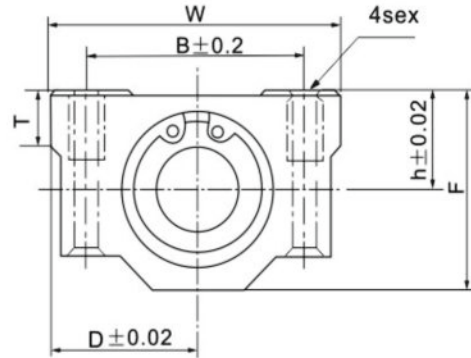
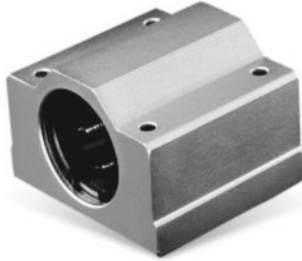
SCS...UU
SCS...LUU



Specification Type	Dimensions(mm)											Slide bush			Weight (g)		
	T	h	E	W	L	F	G	B	C	K	S1	S2	L1	Inside bearing		Load ratings Dynamic (CN)	Static (CoN)
SCS 6UU	6	9	15	30	25	18	15	20	15	5	M4	3.4	8	LM 6UU	206	265	34
SCS 8UU	6	11	17	34	30	22	18	24	18	5	M4	3.4	8	LM 8UU	274	392	52
SCS 10UU	8	13	20	40	35	26	21	28	21	6	M5	4.3	12	LM 10UU	372	549	92
SCS 12UU	8	15	21	42	36	28	24	30.5	26	5.75	M5	4.3	12	LM 12UU	510	784	102
SCS 13UU	8	15	22	44	39	30	24.5	33	26	5.5	M5	4.3	12	LM 13UU	510	784	120
SCS 16UU	9	19	25	50	44	38.5	32.5	36	34	7	M5	4.3	12	LM 16UU	774	1180	200
SCS 20UU	11	21	27	54	50	41	35	40	40	7	M6	5.2	12	LM 20UU	882	1370	255
SCS 25UU	12	26	38	76	67	51.5	42	54	50	11	M8	7	18	LM 25UU	980	1570	600
SCS 30UU	15	30	39	78	72	59.5	49	58	58	10	M8	7	18	LM 30UU	1570	2740	735
SCS 35UU	18	34	45	90	80	68	54	70	60	10	M8	7	18	LM 35UU	1670	3140	1100
SCS 40UU	20	40	51	102	90	78	62	80	60	11	M10	8.7	25	LM 40UU	2160	4020	1590
SCS 50UU	25	52	61	122	110	102	80	100	80	11	M10	8.7	25	LM 50UU	3820	7940	3340
SCS 60UU	30	58	66	132	122	114	94	108	90	12	M12	10.7	25	LM 60UU	4700	10000	4270
SCS 8LUU	6	11	17	34	58	22	18	24	42	5	M4	3.4	8	LM 8LUU	274	392	94
SCS 10LUU	8	13	20	40	68	26	21	28	456	6	M5	4.3	12	LM 10LUU	372	549	147
SCS 12LUU	8	15	21	42	70	28	24	30.5	50	5.75	M5	4.3	12	LM 12LUU	510	784	220
SCS 13LUU	8	15	22	44	75	30	24.5	33	50	5.5	M5	4.3	12	LM 13LUU	510	784	245
SCS 16LUU	9	19	25	50	85	38.5	32.5	36	60	7	M5	4.3	12	LM 16LUU	774	1180	376
SCS 20LUU	11	21	27	54	96	41	35	40	70	7	M6	5.2	12	LM 20LUU	882	1370	476
SCS 25LUU	12	26	38	76	130	51.5	42	54	100	11	M8	7	18	LM 25LUU	980	1570	1115
SCS 30LUU	15	30	39	78	140	59.5	49	58	110	10	M8	7	18	LM 30LUU	1570	2740	1375
SCS 35LUU	18	34	45	90	155	68	54	70	120	10	M8	7	18	LM 35LUU	1670	3140	2200
SCS 40LUU	20	40	51	102	175	78	62	80	140	11	M10	8.7	25	LM 40LUU	2160	4020	3200
SCS 50LUU	25	52	61	122	215	102	80	100	160	11	M10	8.7	25	LM 50LUU	3820	7940	6720
SCS 60LUU	30	58	66	132	240	114	94	108	180	12	M12	10.7	25	LM 60LUU	4700	10000	8510

Aluminum Sliding Unit

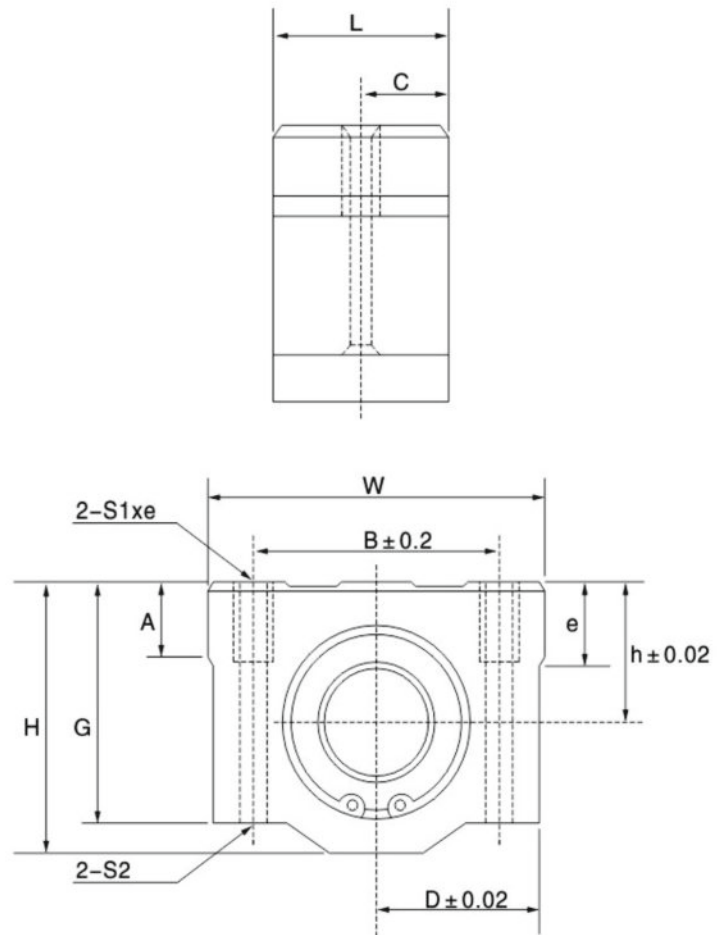
SCE...UU
SCE...LUU



Specification Type	Dimensions (mm)									Inside bearing	Load ratings		Weight (g)
	h	D	W	L	F	T	B	C	Sex		Dynamic (CN)	Static (CoN)	
SCE12UU	15	22	44	39	30	8	33	26	M5×12	LME12UU	510	784	113
SCE16UU	19	25	50	44	38.5	9	36	34	M5×12	LME16UU	774	1180	178
SCE20UU	21	27	54	53	41	11	40	40	M6×12	LME20UU	882	1370	248
SCE25UU	26	38	76	67	51.5	12	54	50	M8×18	LME25UU	980	1570	535
SCE30UU	30	39	78	76	59.5	15	58	58	M8×18	LME30UU	1570	2740	746
SCE35UU	34	45	90	80	68	15	70	60	M8×18	LME35UU	1670	3140	1100
SCE40UU	40	51	102	90	78	20	80	60	M10×25	LME40UU	2160	4020	1517
SCE50UU	52	61	122	110	102	25	100	80	M10×25	LME50UU	3820	7940	2858
SCE12LUU	15	22	44	77	30	8	33	64	M5×12	LME12UU×2	510	784	226
SCE16LUU	19	25	50	89	38.5	9	36	79	M5×12	LME16UU×2	1230	2350	361
SCE20LUU	21	27	54	106	41	11	40	90	M6×12	LME20UU×2	1400	2740	502
SCE25LUU	26	38	76	136	51.5	12	54	119	M8×18	LME25UU×2	1560	3140	1092
SCE30LUU	30	39	78	154	59.5	15	58	132	M8×18	LME30UU×2	2490	5490	1515

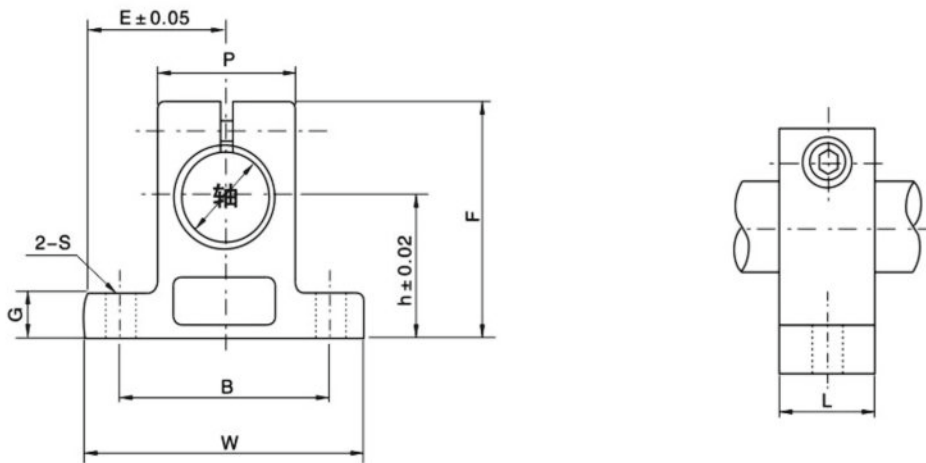
Aluminum Sliding Unit

SC...VUU



Specification Type	Dimensions (mm)												load rating		Weight (g)
	h	D	W	H	G	A	B	E	S1xe	S2	C	L	Dynamic (CN)	Static (CoN)	
SC8VUU	11	17	34	22	18	6	24	5	M4×8	3.4	7.7	15.4	274	392	27
SC10VUU	13	20	40	26	21	8	28	6	M5×12	4.3	9.75	19.5	372	549	53
SC12VUU	15	21	42	28	24	8	30.5	5.75	M5×12	4.3	10.25	20.5	510	784	60
SC13VUU	15	22	44	30	24.5	8	33	5.5	M5×12	4.3	10.25	20.5	510	784	64
SC16VUU	19	25	50	38.5	32.5	9	36	7	M5×12	4.3	11.75	23.5	774	1180	110
SC20VUU	21	27	54	41	35	11	40	7	M6×12	5.2	13.7	27.4	882	1370	144
SC25VUU	26	38	76	51.5	42	12	54	11	M8×18	7	18.7	37.4	980	1570	340
SC30VUU	30	39	78	59.5	49	15	58	10	M8×18	7	20.45	40.9	1574	2740	424
SC35VUU	34	45	90	68	54	18	70	10	M8×18	7	22.7	45.3	1670	3140	626
SC40VUU	40	51	102	78	62	20	80	11	M10×25	8.7	28.2	56.4	2160	4020	1000
SC50VUU	52	61	122	102	80	25	100	11	M10×25	8.7	34.45	68.9	3820	7940	2100

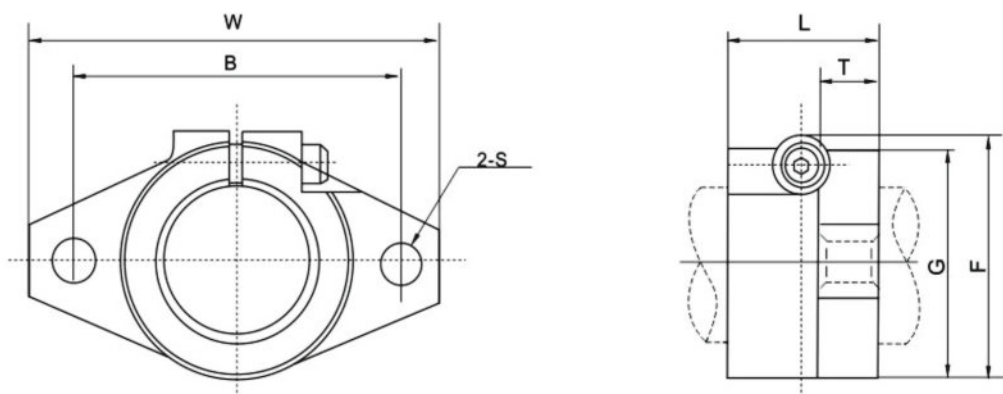
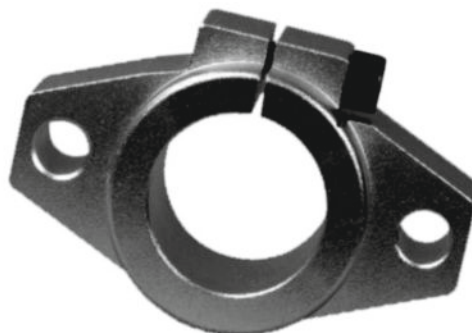
Shaft Support SK Series (SH..A)



Specification Type	Shaft diameter (mm)	Dimensions (mm)									Clamping Bolt	Clamping Bolt	Weight (g)
		h	E	W	L	F	G	P	B	S			
SK 8	8	20	21	42	14	32.8	6	18	32	5.5	M4	M5	24
SK10	10	20	21	42	14	32.8	6	18	32	5.5	M4	M5	24
SK12	12	23	21	42	14	37.5	6	20	32	5.5	M4	M5	30
SK13	13	23	21	42	14	37.5	6	20	32	5.5	M4	M5	30
SK16	16	27	24	48	16	44	8	25	38	5.5	M4	M5	40
SK20	20	31	30	60	20	51	10	30	45	6.6	M5	M6	70
SK25	25	35	35	70	24	60	12	38	56	6.6	M6	M6	130
SK30	30	42	42	84	28	70	12	44	64	9	M6	M8	180
SK35	35	50	49	98	32	82	15	50	74	11	M8	M10	270
SK40	40	60	57	114	36	96	15	60	90	11	M8	M10	420
SK50	50	70	63	126	40	120	18	74	100	14	M12	M12	750
SK60	60	80	74	148	45	136	18	90	120	14	M12	M12	1100

Note: the bearing seat is made of aluminum alloy, design second play, assemble the straight line axle through promoting the through and bolted joint in axial

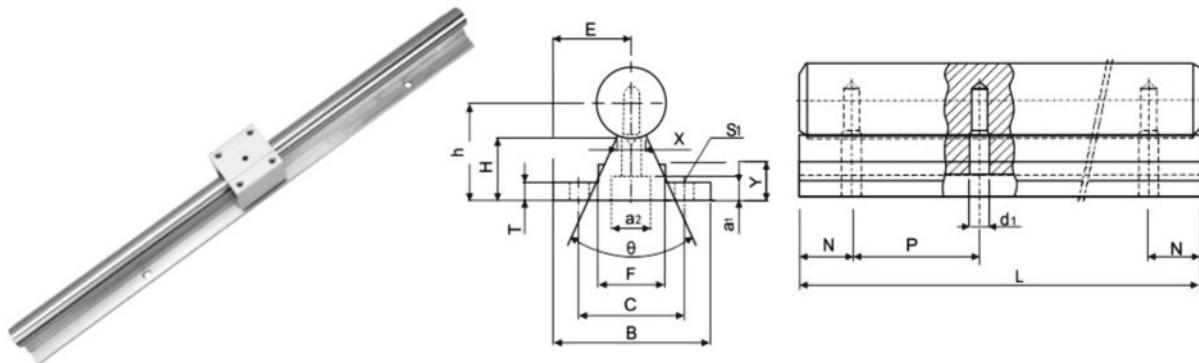
Shaft Support SHF Series



Specification Type	Shaft diameter (mm)	Dimensions (mm)							Clamping Bolt	Clamping Bolt	Weight (g)
		W	L	T	F	G	B	S			
SHF 3	3	43	10	5	24	20	32	5.5	M4	M5	13
SHF 4	4	43	10	5	24	20	32	5.5	M4	M5	13
SHF 5	5	43	10	5	24	20	32	5.5	M4	M5	13
SHF 6	6	43	10	5	24	20	32	5.5	M4	M5	13
SHF 8	8	43	10	5	24	20	32	5.5	M4	M5	13
SHF 10	10	43	10	5	24	20	32	5.5	M4	M5	13
SHF 12	12	47	13	7	28	25	36	5.5	M4	M5	20
SHF 13	13	47	13	7	28	25	36	5.5	M4	M5	20
SHF 16	16	50	16	8	31	28	40	5.5	M4	M5	27
SHF 20	20	60	20	8	37	34	48	7	M5	M6	40
SHF 25	25	70	25	10	42	40	56	7	M5	M6	60
SHF 30	30	80	30	12	50	46	64	9	M6	M8	110
SHF 35	35	92	35	14	58	50	72	12	M8	M10	380
SHF 40	40	102	40	16	67	56	80	12	M10	M10	510
SHF 50	50	122	50	19	83	70	96	14	M12	M12	890
SHF 60	60	140	60	23	95	82	112	14	M12	M12	1500

Note:the bearing seat is made of aluminum alloy,design second play,assemble the straight line axle through promoting the through and bolted joint in axial

SBR Cylinder Linear Guide



Type SBR Support Dimensions

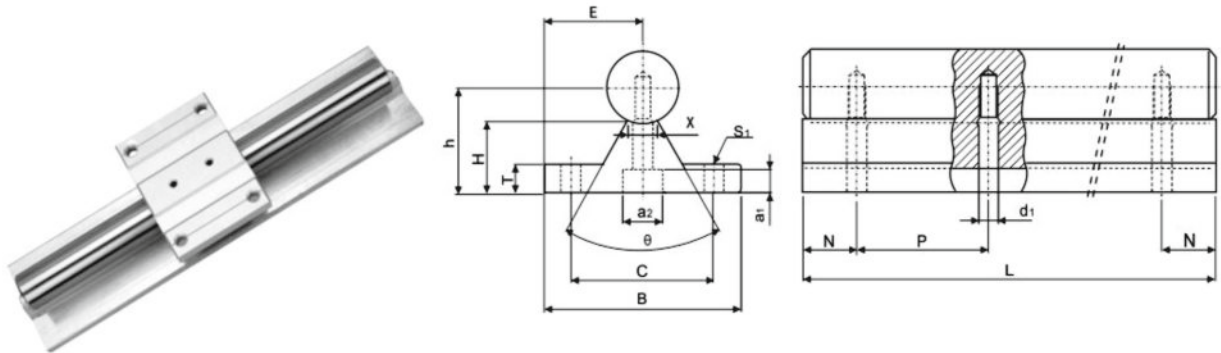
Specification Type	Shaft diameter (mm)	Dimensions (mm)														Weight (g)
		E	h	B	H	T	F	X	Y	C	θ	S ₁	a ₁	a ₂	d ₁	
SBR10	φ 10	16	18	32/30	13.5	4	12.4	4.7	8.9	22/20	60°/80°	φ 4.5	5	8.5	4.5	1.10
SBR12	φ 12	17	20.46	34/32	15	4.5	15	6	9.8	25/22	60°/80°	φ 4.5	5	8.5	4.5	1.40
SBR13	φ 13	17	21	34/32	15	4.5	15	6	9.8	25/22	60°/80°	φ 4.5	5	8.5	5.5	1.55
SBR16	φ 16	20	25	40	17.8	5	18.5	8	11.7	30	60°/80°	φ 5.5	6	9.5	5.5	2.56
SBR20	φ 20	22.5	27	45	17.7	5	19	8	10	30	60°/50°	φ 5.5	6.5	11	6.6	3.50
SBR25	φ 25	27.5	33	55	21	6	21.5	8	12	35	60°/50°	φ 6.6	6.5	11	6.6	5.30
SBR30	φ 30	30	37	60	22.8	7	26.5	10.3	13	40	60°/50°	φ 6.6	8.5	14	9	7.38
SBR35	φ 35	32.5	43	65	26.6	8	28	13	15.5	45	60°/50°	φ 9	8.5	14	9	9.68
SBR40	φ 40	37.5	48	75	29.4	9	38	16	17	55	60°/50°	φ 9	8.5	14	9	12.69
SBR50	φ 50	47.5	62	95	38.8	11	45	20	21	70	60°/50°	φ 11	12.5	19	11	20.46

Type SBR support standard length and maximum length

Type	SBR10	SBR12	SBR13	SBR16	SBR20	SBR25	SBR30	SBR35	SBR40	SBR50
Standard length L	150	150	150	190	340	250	450	460	460	470
	250	250	250	340	640	450	850	660	660	670
	550	550	550	640	940	850	1250	860	860	870
	850	850	850	940	1240	1250	1450	1060	1060	1070
N	15	15	15	20	20	25	25	30	30	35
P	100	100	100	150	150	200	200	200	200	200
Maximum length	4000	4000	4000	6000	6000	6000	6000	6000	6000	6000

Note: longer than maximum length can be connected, please contact SHAC by drawings

TBR Cylinder Linear Guide



Type TBR Support Dimensions

Specification Type	Shaft diameter (mm)	Dimensions (mm)											Weight (g)	
		E	h	B	H	T	X	C	θ	S1	a1	a2		d1
TBR16	φ 16	25	22.14	50	14.84	6	8	37	60°/50°	φ 5.5	6	9.5	5.5	2.56
TBR20	φ 20	27.5	29.01	55	19.64	8	8	40	60°/50°	φ 5.5	6.5	11	6.6	4.23
TBR25	φ 25	32.5	31.97	65	20	10	8	45	60°/50°	φ 6.6	6.5	11	6.6	5.85
TBR30	φ 30	37.5	36.52	75	22.28	12	10.3	55	60°/50°	φ 6.6	8.5	14	9	8.28

Type TBR support standard length and maximum length

Type	TBR16	TBR20	TBR25	TBR30
Standard length L	190	340	250	450
	340	640	450	850
	640	940	850	1250
	940	1240	1250	1450
N	20	20	25	25
P	150	150	200	200
Maximum length	6000	6000	6000	6000

Note: longer than maximum length can be connected, please contact SHAC by drawings

Cam Follower Bearing

KR...KRV...CF...

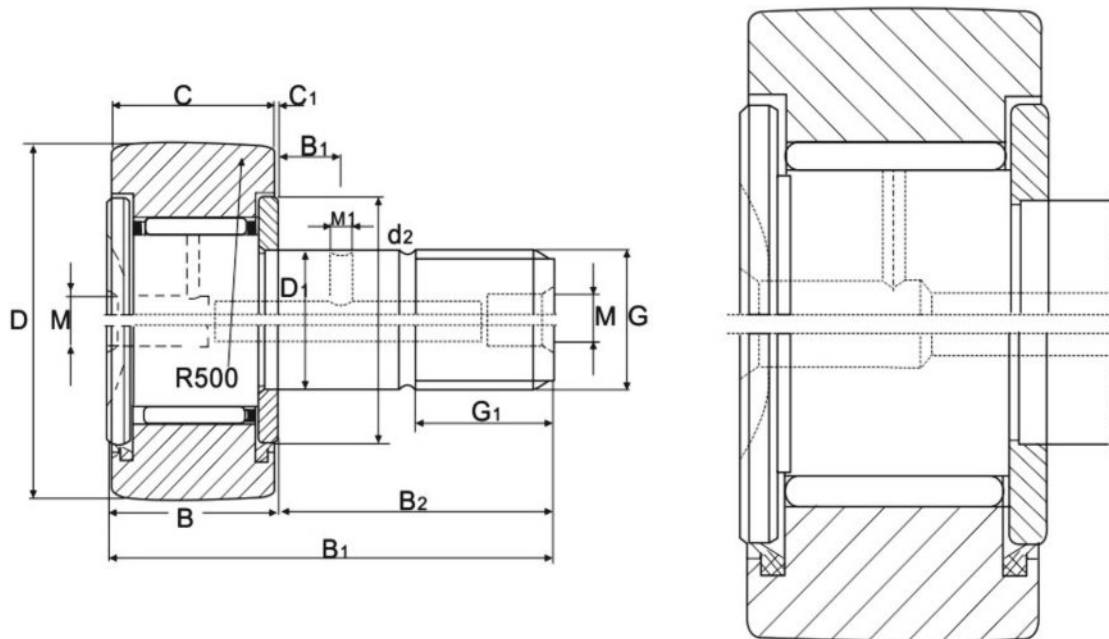


Specification Type		Dimensions (mm)							
		D*	C	D ₁	G	G ₁	B _{max}	B _{1max}	B ₂
KR13	KRV13	13	9	5	M5×0.8	7	10	23	13
KR16	KRV16	16	11	6	M6×1	8	12.2	28.2	16
KR19	KRV19	19	11	8	M8×1.25	10	12.2	32.2	20
KR22	KRV22	22	12	10	M10×1.25	12	13.2	36.2	23
KR26	KRV26	26	12	10	M10×1.25	12	13.2	36.2	23
KR30	KRV30	30	14	12	M12×1.5	13	15.2	40.2	25
KR32	KRV32	32	14	12	M12×1.5	13	15.2	40.2	25
KR35	KRV35	35	18	16	M16×1.5	17	19.6	52.1	32.5
KR40	KRV40	40	20	18	M18×1.5	19	21.6	58.2	36.5
KR47	KRV47	47	24	20	M20×1.5	21	25.6	66.1	40.5
KR52	KRV52	52	24	20	M20×1.5	21	25.6	66.1	40.5
KR62	KRV62	62	29	24	M24×1.5	25	30.6	80.1	49.5
KR72	KRV72	72	29	24	M24×1.5	25	30.6	80.1	49.5
KR80	KRV80	80	35	30	M30×1.5	32	37	100	63
KR85	KRV85	85	35	30	M30×1.5	32	37	100	63
KR90	KRV90	90	35	30	M30×1.5	32	37	100	63

NOTE WHEN Bearing of series KR KRV with eccentric. Then Designation of Bearing KRE, KRVE

Cam Follower Bearing

KR...KRV...CF...



Dimension			eccentric	load rating		Limits of speed	Weight	old designation		IKO Designation
B ₃	C ₁	rs** min	e	Dynamic (CN)	Static (CoN)	rpm	(g)			
	0.5	0.3	0.25	180	280	29000	16	NAKD13	NAKD13V	CF5
	0.6	0.3	0.25	170	270	25000	18	NAKD16	NAKD16V	CF6
	0.6	0.3	0.25	210	300	20000	28	NAKD19	NAKD19V	CF8
	0.6	0.3	0.3	320	410	17000	44	NAKD22	NAKD22V	CF10
	0.6	0.3	0.3	320	410	17000	58	NAKD26	NAKD26V	CF10-1
6	0.6	0.6	0.3	450	590	14000	87	NAKD30	NAKD30V	CF12
6	0.6	0.6	0.3	450	590	14000	90	NAKD32	NAKD32V	CF12-1
8	0.8	0.6	0.35	760	850	10000	169	NAKD35	NAKD35V	CF16
8	0.8	1	0.35	1220	1180	8500	247	NAKD40	NAKD40V	CF18
9	0.8	1	0.35	1690	1630	7000	386	NAKD47	NAKD47V	CF20
9	0.8	1	0.35	1690	1630	7000	461	NAKD52	NAKD52V	CF20-1
11	0.8	1	0.4	2210	2160	6500	790	NAKD62	NAKD62V	CF24
11	0.8	1	0.4	2210	2160	6500	1040	NAKD72	NAKD72V	CF24-1
15	1	1	0.5	3700	2830	5000	1550	NAKD80	NAKD80V	CF30
15	1	1	0.5	3700	2830	5000	1740	NAKD85	NAKD85V	CF30-1
15	1	1	0.5	3700	2830	5000	1950	NAKD90	NAKD90V	CF30-2

Double Axis Roller Guide

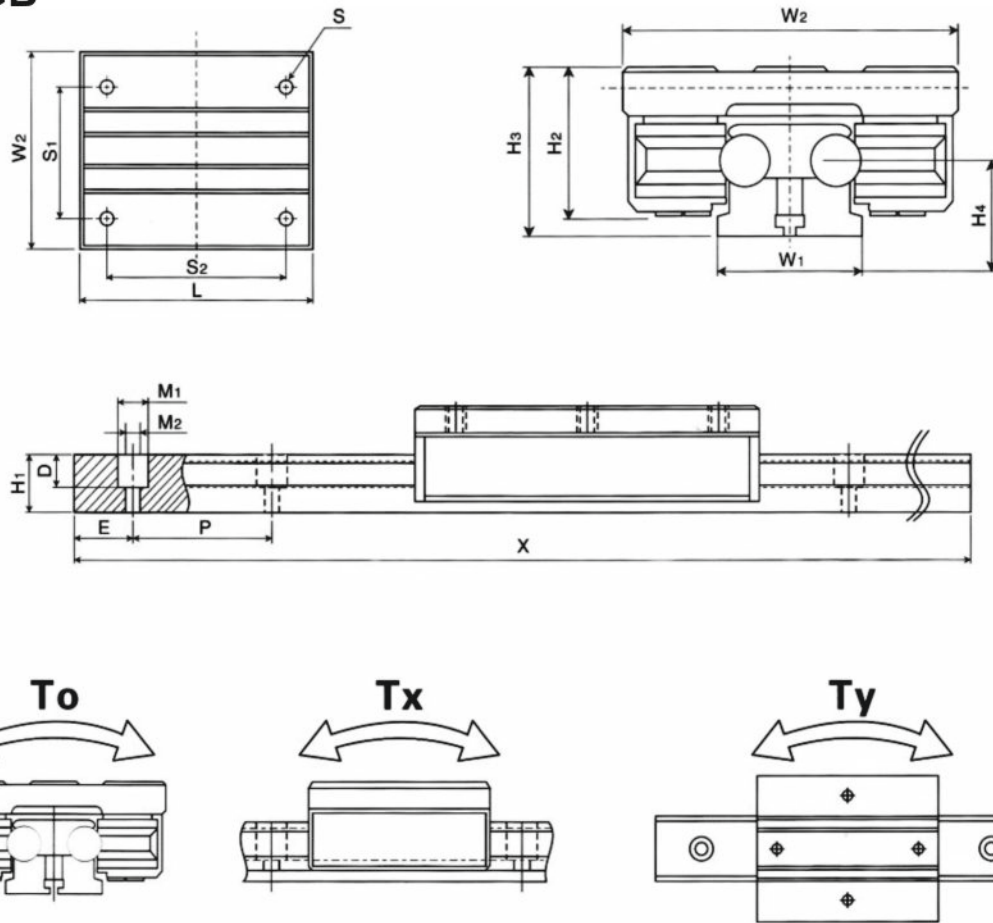
LGD/LGB



Specification Type(Rail)	W1	H3	H1	H4	Shaft diameter (mm)	P	E	M1	M2	D	Length	Weight (kg/meter)
LGD6	26	29	18	13	φ 6	60	30	φ 9.5	φ 5.5	7	0-6000	1.25
LGD8	28	30	20	14	φ 8	50	25	φ 9	φ 5.5	5.5	0-6000	2.3
LGD8W	30	33	21	15	φ 8	80	40	φ 9.5	φ 5.5	8	0-6000	2.5
LGD12	36	39	25.5	16	φ 12	50	25	φ 12.5	φ 6.5	12.5	0-6000	3.1
LGD16	50	50	32	21	φ 16	80	40	φ 21	φ 9	17	0-6000	5.8

Specification Type(Slider)	W2	H2	L	Mounting holes size S1*S2	Mounting holes
LGB6-60L-4UU	60	26	60	38*40	M5*8
LGB6-100L-4UU	60	26	100	38*75	M5*8
LGB6-100L-6UU	60	26	100	38*75	M5*8
LGB8-70L-4UU	60	26	70	40*50	M6*8
LGB8-100L-4UU	60	26	100	40*80	M6*8
LGB8-100L-6UU	60	26	100	40*80	M6*8
LGB8W-70L-4UU	67	27.5	70	45*45	M6*8
LGB8W-100L-4UU	67	27.5	100	45*75	M6*8
LGB8W-100L-6UU	67	27.5	100	45*75	M6*8
LGB12-60L-2UU	82	36	60	54*40	M6*10
LGB12-100L-4UU	82	36	100	54*76	M6*10
LGB12-100L-6UU	82	36	100	54*76	M6*10
LGB12-140L-4UU	82	36	140	54*116	M6*10
LGB12-140L-6UU	82	36	140	54*116	M6*10
LGB12-160L-8UU	82	36	160	54*136	M6*10
LGB16-150L-4UU	120	46	150	90*120	M8*12
LGB16-150L-6UU	120	46	150	90*120	M8*12
LGB16-180L-4UU	120	46	180	90*150	M8*12
LGB16-180L-6UU	120	46	180	90*150	M8*12

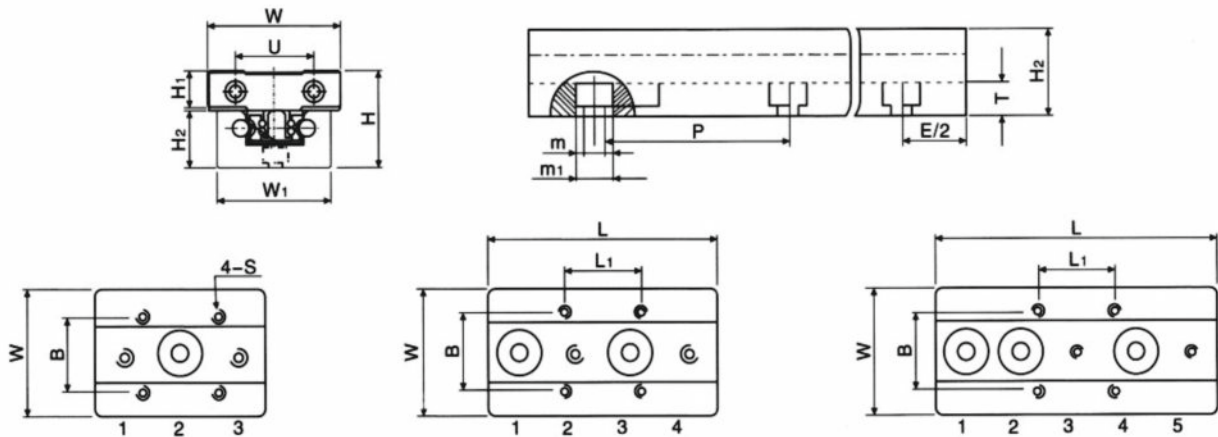
Double Axis Roller Guide LGD/LGB



Basic dynamic load (Kgf)	Basic static load (Kgf)	Allowable Static Moment			Weight (kg/pc)
		To/Kgf-m	Tx/Kgf-m	Ty/Kgf-m	
60	100	2.3	1.6	1.8	0.16
70	110	2.5	1.8	2	0.18
80	140	3	2.2	2.5	0.25
80	120	3.6	3	3.2	0.2
90	140	3.6	3	3.2	0.23
100	160	3.6	3	3.2	0.28
80	120	3.6	3	3.2	0.25
90	140	3.6	3	3.2	0.28
100	160	3.6	3	3.2	0.32
100	150	2.1	1.6	1.9	0.32
160	300	6	5	5.5	0.57
200	350	8	6	7	0.7
200	350	8	6	7	0.7
240	400	10	8	9	0.73
280	420	11	8	10	0.85
350	650	15	13	14	1.4
400	750	17	14	15	1.65
380	680	16	14	15	1.6
450	800	18	16	17	1.85

Double Axis Roller Guide

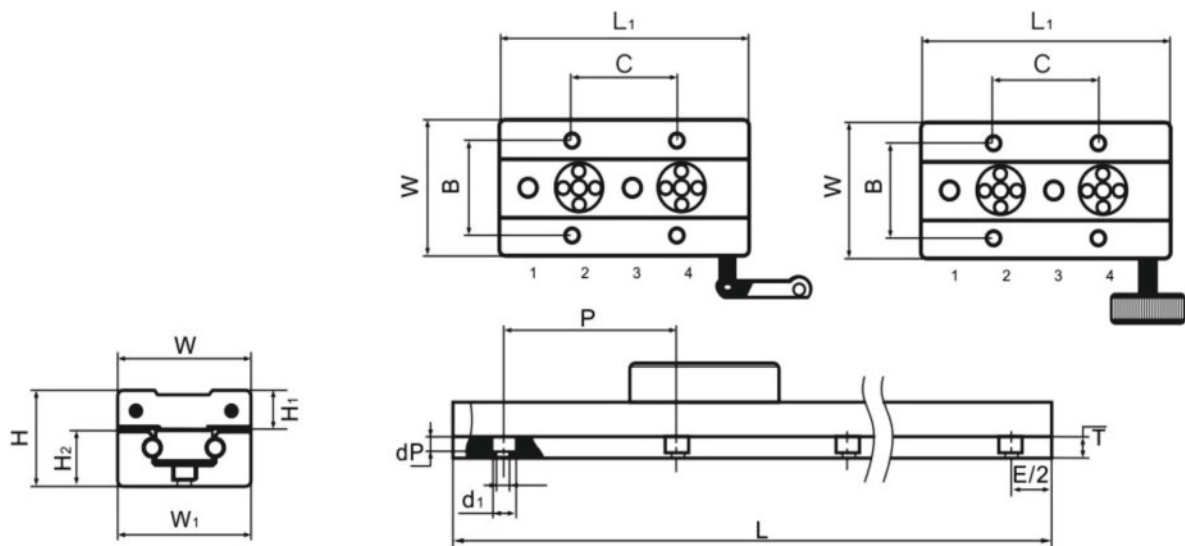
SGR/SGB



SG		Assembly		SGR(Rail)										SGB(Slider)																	
SGR	SGB	H	W	W ₁	H ₂	dp	P	Shaft diameter (mm)	Weight (kg/meter)	T	m ₁	m	W	H ₁	L	B	L ₁	S	Wheel Qty	Eccentric position	Load ratings		Kinetic moment (N.m)			Weight (kg/pc)					
																					Dynamic (CN)	Static (CoN)									
10N	-3	23	28	28	14	6	60	5	1.051	5	6	3.5	26	8	47	18.5	30	M4	3	2	420	450	6.4	6.8	7.1	0.110					
	-4														63												4	2	10.2	11.3	11.5
	-5														83												5	2	-	-	-
10	-3	29	28	32	17	6	60	6	1.106	6	8	4.5	28	11	88	20	70	M5	3	2	300	320	6.4	6.8	7.1	0.110					
	-4														88												4	2	6.4	6.8	7.1
15N	-3	32	38	38	18.5	6	120	6	1.11	8	8.5	4.5	44	12	60	26	26	M5	3	2	660	700	14.5	13.2	14	0.145					
	-4														80												4	1,3	20.3	37	39
	-5														100												5	1,1,4	27.7	44.3	47
15	-3	32	46	46	18.5	6	120	6	2.01	8	8.5	4.5	46	12	60	32	36	M5	3	2	660	700	19.8	21.1	22.4	0.140					
	-4														80												4	1,3	27.7	44.3	47
	-5														100												5	1,1,4	29.4	25.4	18.2
20N	-3	36	47	47	22.5	6	120	8	2.32	9	9.5	5.5	47	12	80	38	30	M6	3	2	1400	1000	42	72.8	52	0.265					
	-4														108												4	1,3	8.2	129	92.4
	-5														135												5	1,1,4	42.1	21.5	5.4
20	-3	36	60	60	22.5	6	120	8	3.31	9	9.5	5.5	60	12	80	50	40	M6	3	2	1400	1000	60.2	61.6	44	0.280					
	-4														108												4	1,3	84.2	129	92.4
	-5														135												5	1,1,4	147.0	126.0	67.62
25	-3	44	70	70	26	7	120	10	4.28	10	11	6.5	70	16.3	100	57	45	M8	3	2	2100	1800	96.6	138.6	118.8	0.615					
	-4														133												4	1,3	35.0	291.06	249.48
	-5														166												5	1,1,4	159.6	126	128
35	-3	55	100	90	35	8.5	160	12	6.9	12	14	8.5	100	18	140	82	62	M10	3	2	4000	4000	228	360	360	1.6					
	-4														185												4	1,3	319.2	758	756
	-5														230												5	1,1,4	560.0	560.0	319.2

Double Axis Roller Guide

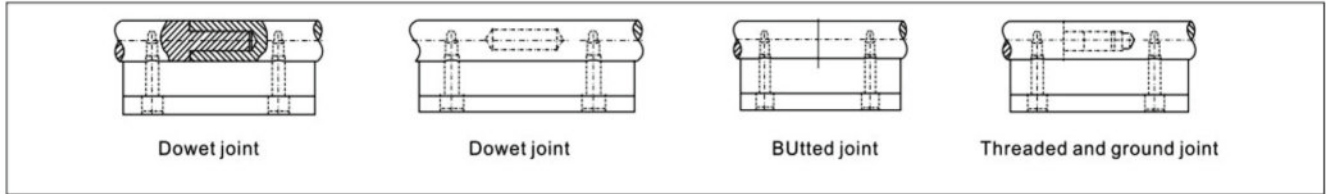
SGR/SGB



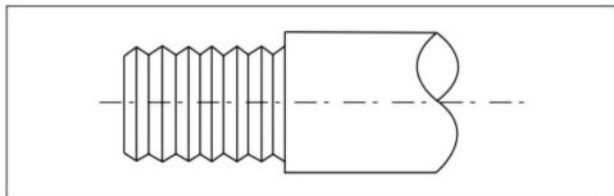
SG		Assembly		SGR(Rail)										SGB(Slider)												
SGR	SGB	H	W	W ₁	H ₂	dp	P	Shaft diameter (mm)	Weight (kg/meter)	T	d	d ₁	L ₁	L _{max}	B	C	H ₁	S	Wheel Qty	Eccentric position	Load ratings		Kinetic moment (N.m)			Weight (kg/pc)
																					Dynamic (CN)	Static (CoN)				
10N	-4	23	28	28	14	5.5	60	5	1.05	7	3.4	6	80	4000	18.5	40	8.5	M4	4	2.4	450	420	7.5	8.1	8.6	1621
15N	-4	32	38	38	18.5	5.5	120	6	1.65	7	4.5	8	100	4000	26	26	12	M5	4	2.4	700	660	14.5	13.2	14.0	2146
15	-4	32	46	46	18.5	5.5	120	6	1.76	8	4.5	8	100	4000	32	36	12	M5	4	2.4	700	660	19.8	21.1	22.4	2426
20N	-4	36	47	47	22.5	5.5	120	8	2.25	8	5.5	9.5	130	4000	38	30	12	M6	4	2.4	1.0	1.4	42	72.8	52	2859
20	-4	36	60	60	22.5	5.5	120	8	2.75	8	5.5	9.5	130	4000	50	40	12	M6	4	2.4	1.0	1.4	60.2	61.6	44	3688
25	-4	44	70	70	26	6.5	120	10	3.88	9	6.5	11	160	4000	57	45	15	M8	4	2.4	18.0	21.0	96.6	139	119	5009
35	-4	55	100	90	35	8.5	160	12	6.90	12	8.5	14	220	4000	82	62	18	M10	4	2.4	40.0	42.0	228	360	360	7500

We can offer linear shaft with diameter $\phi 5\text{mm} - \phi 150\text{mm}$, maximum length up to 6000mm

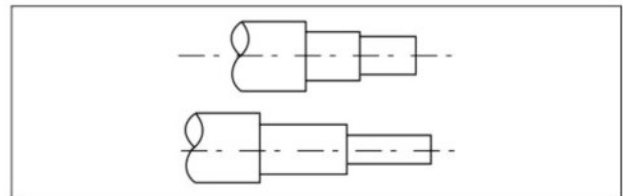
1. When you are special requirements on length, we can arrange produce to meet your machining requirements with different length; when you request above 6000mm, we can anti-connect for you.



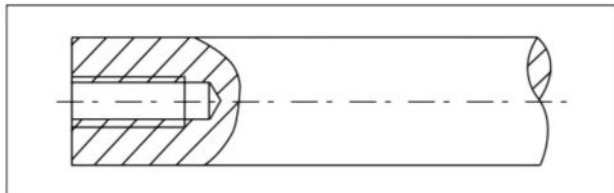
2. When you are special requirements on machining, such as threading, coaxial holes drilled and tapped, radial holes drilled and tapped, reduced shaft diameter etc, we can do machining for you, and these special machining are finished after heat treatment and chromed so that to ensure the precision of product. send us your detailed sketch or blue print for quotation and action your should be satisfied with our service



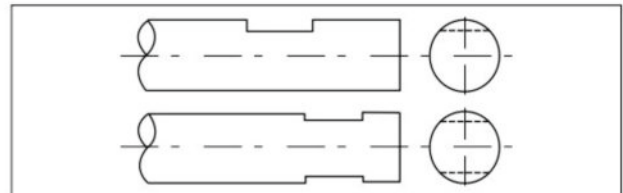
THREADING



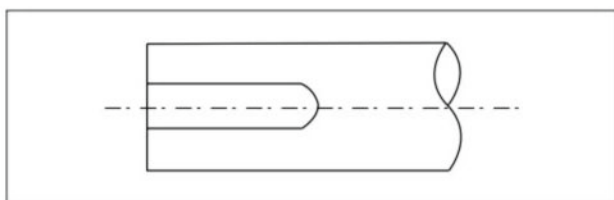
REDUCED SHAFT DIAMETER



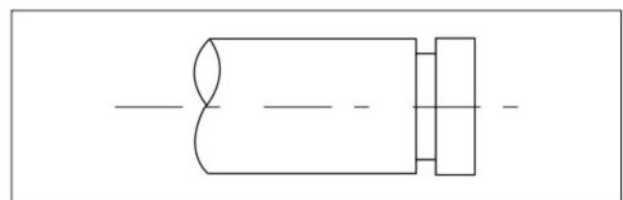
COAXIAL HOLES DRILLED AND TAPPED



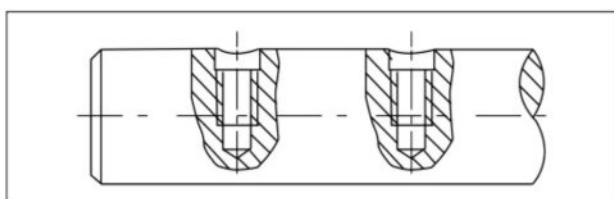
FLATS - SINGLE OR MULTIPLE



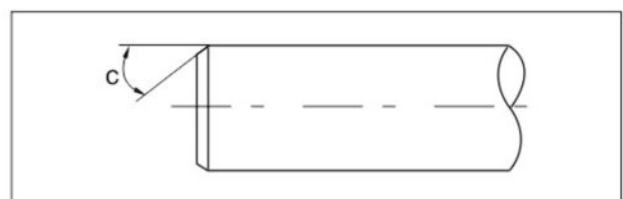
KEY WAY



SNAP RING GROOVES



RADIAL HOLES DRILLED AND TAPPED



CHAMFERING

Linear Shaft

Material:45 high quality carbon steel (S45C),hardness HRC58-60

GCr15 bearing steel (SUJ2) , hardness above HRC60-62

9cr18 stainless steel (SUS440),hardness HRC55 above

The surface can be hard chrome plated

Model No.	Outer diameter mm	Diameter tolerance		Depth of effective hardness larer	Weight kg/m
		g6	h6		
SFC3	3	-0.002-0.008	0-0.006	0.4 ~ 0.7	0.05
SFC4	4	-0.002-0.008	0-0.006	0.4 ~ 0.7	0.09
SFC5	5	-0.002-0.008	0-0.006	0.4 ~ 0.7	0.15
SFC6	6	-0.004-0.012	0-0.008	0.4 ~ 1.0	0.22
SFC8	8	-0.005-0.014	0-0.009	0.4 ~ 1.0	0.4
SFC10	10	-0.005-0.014	0-0.009	0.6 ~ 1.5	0.62
SFC11	11	-0.006-0.017	0-0.011	0.6 ~ 1.5	0.74
SFC12	12	-0.006-0.017	0-0.011	0.6 ~ 1.5	0.89
SFC13	13	-0.006-0.017	0-0.011	0.6 ~ 1.5	1.04
SFC14	14	-0.006-0.017	0-0.011	0.6 ~ 1.5	1.2
SFC15	15	-0.006-0.017	0-0.011	0.6 ~ 1.5	1.38
SFC16	16	-0.006-0.017	0-0.011	0.8 ~ 2.0	1.58
SFC17	17	-0.006-0.017	0-0.011	0.8 ~ 2.0	1.78
SFC18	18	-0.007-0.020	0-0.013	0.8 ~ 2.0	1.99
SFC19	19	-0.007-0.020	0-0.013	0.8 ~ 2.0	2.22
SFC20	20	-0.007-0.020	0-0.013	0.8 ~ 2.0	2.47
SFC22	22	-0.007-0.020	0-0.013	0.8 ~ 2.0	2.98
SFC25	25	-0.007-0.020	0-0.013	0.8 ~ 2.0	3.85
SFC28	28	-0.007-0.020	0-0.013	0.8 ~ 2.0	4.83
SFC30	30	-0.007-0.020	0-0.013	0.8 ~ 3.0	5.55
SFC32	32	-0.009-0.025	0-0.016	0.8 ~ 3.0	6.31
SFC35	35	-0.009-0.025	0-0.016	0.8 ~ 3.0	7.55
SFC38	38	-0.009-0.025	0-0.016	0.8 ~ 3.0	8.9
SFC40	40	-0.009-0.025	0-0.016	0.8 ~ 3.0	9.87
SFC45	45	-0.009-0.025	0-0.016	0.8 ~ 3.0	12.49
SFC50	50	-0.009-0.025	0-0.019	0.8 ~ 3.0	15.4
SFC55	55	-0.009-0.025	0-0.019	1.5 ~ 3.0	18.66
SFC60	60	-0.010-0.029	0-0.019	1.5 ~ 3.0	22.21
SFC70	70	-0.010-0.029	0-0.019	1.5 ~ 3.0	30.23
SFC80	80	-0.012-0.034	0-0.022	1.5 ~ 3.0	39.48
SFC90	90	-0.012-0.034	0-0.022	1.5 ~ 3.0	49.97
SFC100	100	-0.012-0.034	0-0.022	2.0 ~ 3.0	61.7
SFC110	110	-0.012-0.034	0-0.022	2.0 ~ 3.0	76.02
SFC120	120	-0.014-0.039	0-0.022	2.0 ~ 3.0	88.84
SFC150	150	-0.014-0.039	0-0.025	2.0 ~ 3.0	138.82

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