cpc 直得科技股份有限公司
CHIEFTEK PRECISION CO., LTD.

Linear Motion Technology

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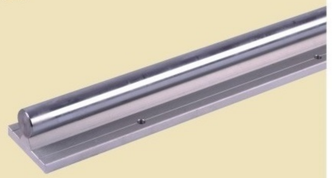

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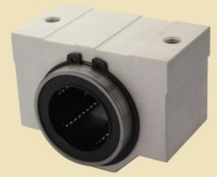
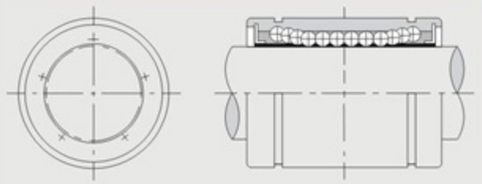
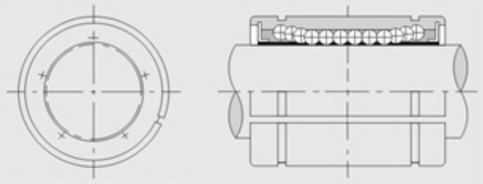
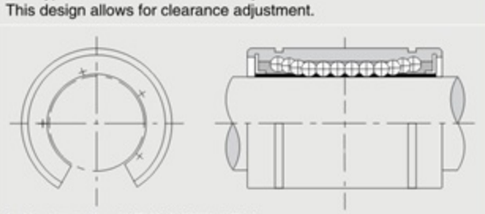
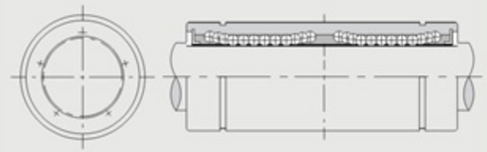
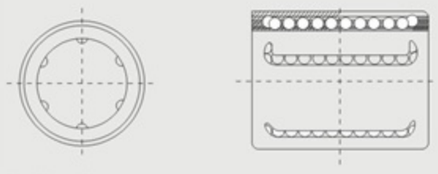


Type of Linear Motion Ball Bearings

类型 Type	结构 Description	材料 Material 外圈 Outer cylinder	材料 Material 保持架 Retainer	所在页码 Dimension table page LM Series	LME Series	LMB Series
标准型 Standard Type 	 封闭外圆型 Closed type outside cylinder.	钢 Steel	钢 Steel			
			尼龙 Resin			
间隙调整型 Adjustable Type 	 外径带开缝，可以调整间隙 This type has a slot in the outside cylinder. This design allows for clearance adjustment.	钢 Steel	钢 Steel			
			尼龙 Resin			
开口型 Open Type 	 切掉一组环道，使导轨支撑可以通过 One ball circuit is removed to allow an opening slot to fit over aril supports.	钢 Steel	钢 Steel			
			尼龙 Resin			
加长型 Double–Wide Type 	 有两个保持架，适用于有力矩负荷场合 This type has two retainers in the outsidecylinder. This structure is useful when momentloads are applied to the slide bush.	钢 Steel	钢 Steel			
			尼龙 Resin			
冲压外圈型 Pressing Outer Race Type 	 外圈是冲压的 Outer race is pressing	钢 Steel	尼龙 Resin			

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Type Number Format

LM 25 L UU AJ

类型 Type	
LM	公制，亚洲应用广泛 Metric dimenson series most widely used in Asia
LME	公制，主要是欧洲使用 Metric dimenson series generally used in Europe
LMB	英制，主要是美洲使用 Inch dimenson series used mainly in America

公称轴径 Nominal Shaft Diameter

加长 Double type

符号 Symbol	代表意义 Specification
不标 No entry	标准型 Standard sype
L	加长型 Double type

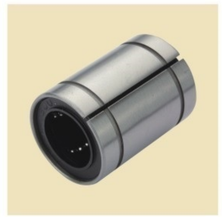
符号 Symbol	代表意义 Specification
不标 No entry	标准型 Standard type
AJ	间隙调整型 Adjustable type
OP	开口型 Open type

密封 Seal

符号 Symbol	代表意义 Specification
不标 No entry	不带密封 No seal
U	单密封 Seals on one side
UU	双密封 Seals on both side

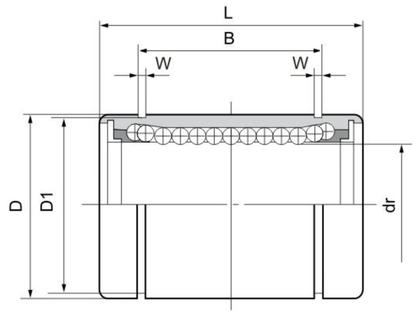
LM···UU (Resin retainer)
This type is a metric dimension series
widely used in Asia and other countries.

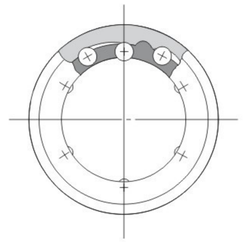
LM···UU



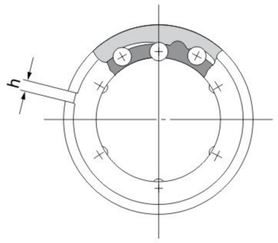
LM···UU–AJ

LM···UU–OP

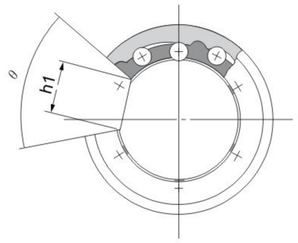




LM···UU



LM···UU–AJ



LM···UU–OP

Nominal shaft diameter mm	Resin retainer									dr		
	LM···UU	Ball circuit	Weight (gf)	LM···UU–AJ	Ball circuit	Weight (gf)	LM···UU–OP	Ball circuit	Weight (gf)	mm	Tolerance μm Precision	Tolerance μm High
3	LM3	4	1.35	—	—	—	—	—	—	3	0 -5	0 -8
4	LM4	4	1.9	—	—	—	—	—	—	4		
5	LM5UU	4	4	—	—	—	—	—	—	5		
6	LM6UU	4	7.6	LM6UU-AJ	4	7.5	—	—	—	6	0 -6	0 -9
8	LM8SUU	4	10.4	LM8SUU-AJ	4	10	—	—	—	8		
8	LM8UU	4	15	LM8UU-AJ	4	14.7	—	—	—	8		
10	LM10UU	4	29.5	LM10UU-AJ	4	29	LM10UU-OP	3	23	10		
12	LM12UU	4	31.5	LM12UU-AJ	4	31	LM12UU-OP	3	25	12		
13	LM13UU	4	43	LM13UU-AJ	4	42	LM13UU-OP	3	34	13		
16	LM16UU	5	69	LM16UU-AJ	5	68	LM16UU-OP	4	52	16		
20	LM20UU	5	87	LM20UU-AJ	5	85	LM20UU-OP	4	69	20	0 -7	0 -10
25	LM25UU	6	220	LM25UU-AJ	6	216	LM25UU-OP	5	188	25		
30	LM30UU	6	250	LM30UU-AJ	6	245	LM30UU-OP	5	210	30		
35	LM35UU	6	390	LM35UU-AJ	6	384	LM35UU-OP	5	335	35	0 -8	0 -12
40	LM40UU	6	585	LM40UU-AJ	6	579	LM40UU-OP	5	500	40		
50	LM50UU	6	1,580	LM50UU-AJ	6	1,560	LM50UU-OP	5	1,340	50		
60	LM60UU	6	1,860	LM60UU-AJ	6	1,820	LM60UU-OP	5	1,610	60	0 -9	0 -15
80	LM80UU	6	4,420	LM80UU-AJ	6	4,300	LM80UU-OP	5	3,650	80		
100	LM100UU	6	8,600	LM100UU-AJ	6	8,540	LM100UU-OP	5	7,200	100	0 -10	0 -20
120	LM120UU	8	15,000	LM120UU-AJ	8	14,900	LM120UU-OP	6	11,600	120		
150	LM150UU	8	20,250	LM150UU-AJ	8	20,150	LM150UU-OP	6	15,700	150	0 -13	0 -25

Seal type:
LM20UU

No entry	No seals
U	Seal on one side
UU	Seal on both sides

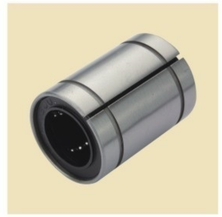
Note: Smaller sizes (3 and 4mm I.D.) are non–seal type only.

Major dimensions and tolerance											Eccentricity μm		Radial clearance (Max) μm	Basic load rating	
mm	D Tolerance μm	mm	L Tolerance μm	mm	B Tolerance μm	W mm	D_1 mm	h mm	h_1 mm	Θ	Precision	High		Dynamic Co N	Static Co N
7	0 -9	10	0 -120	—	—	—	—	—	—	—	4	8	–3	69	105
8		12		—	—	—	—	—	—	—				88	127
10		15		10.2	0 -200	1.1	9.6	—	—	—				167	206
12	0 -11	19	0 -200	13.5		1.1	11.5	1	—	—	8	12		206	265
15		17		11.5		1.1	14.3	1	—	—				176	216
15		24		17.5		1.1	14.3	1	—	—				274	392
19	0 -13	29		22		1.3	18	1	6.8	80°			–4	372	549
21		30		23		1.3	20	1.5	8	80°				510	784
23		32		23		1.3	22	1.5	9	80°				510	784
28		37		26.5		1.6	27	1.5	11	80°				774	1,180
32	0 -16	42	0 -300	30.5		1.6	30.5	1.5	11	60°	10	15	–6	882	1,370
40		59		41	0 -300	1.85	38	2	12	50°				980	1,570
45		64		44.5		1.85	43	2.5	15	50°			–8	1,570	2,740
52	0 -19	70		49.5		2.1	49	2.5	17	50°	12	20		1,670	3,140
60		80		60.5		2.1	57	3	20	50°			–10	2,160	4,020
80		100		74		2.6	76.5	3	25	50°			–13	3,820	7,940
90	0 -22	110		85		3.15	86.5	3	30	50°	17	25		4,700	10,000
120		140	0 -400	105.5	0 -400	4.15	116	3	40	50°			–20	7,350	16,000
150	0 -25	175		125.5		4.15	145	3	50	50°	20	30		14,100	34,800
180		200		158.6		4.15	175	3	85	80°			–25	16,400	40,000
180	0 -29	240		170.6		5.15	204	3	105	80°	25	40		21,100	54,300

SIUNIT：1N≈0.102kgf

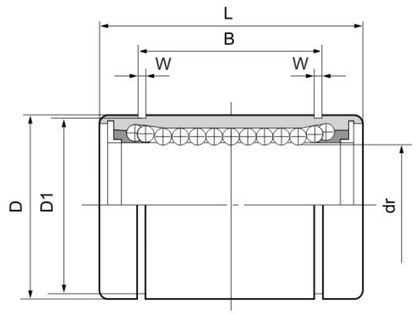
LME···UU (Resin retainer)
This type is a metric dimension series generally used in Europe.

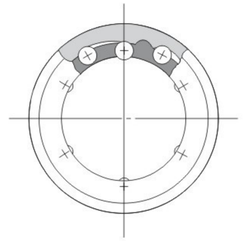
LME···UU



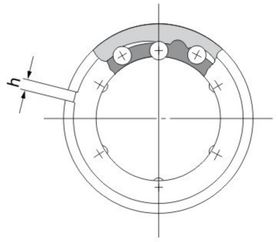
LME···UU–AJ

LME···UU–OP

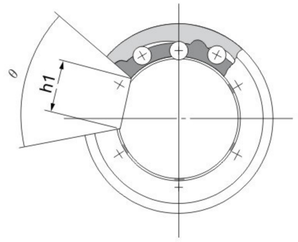




LME···UU



LME···UU–AJ



LME···UU–OP

Nominal shaft diameter mm	Resin retainer									mm	dr Tolerance μ m	
	LM···UU	Ball circuit	Weight (gf)	LM···UU–AJ	Ball circuit	Weight (gf)	LM···UU–OP	Ball circuit	Weight (gf)		Precision	High
3	LME3	4	1.35	—	—	—	—	—	—	3	—	+8 0
4	LME4	4	1.9	—	—	—	—	—	—	4		
5	LME5UU	4	11	LME5UU–AJ	4	10	—	—	—	5		
8	LME8UU	4	20	LME8UU–AJ	4	19.5	—	—	—	8		
10	LME10UU	4	29.5	LME10UU–AJ	4	29	LME10UU–OP	3	23	10		
12	LME12UU	4	41	LME12UU–AJ	4	40	LME12UU–OP	3	32	12		
16	LME16UU	5	57	LME16UU–AJ	5	56	LME16UU–OP	4	44	16	—	+9 −1
20	LME20UU	5	91	LME20UU–AJ	5	90	LME20UU–OP	4	75	20		
25	LME25UU	6	215	LME25UU–AJ	6	212	LME25UU–OP	5	181	25	—	+11 −1
30	LME30UU	6	325	LME30UU–AJ	6	320	LME30UU–OP	5	272	30		
40	LME40UU	6	705	LME40UU–AJ	6	694	LME40UU–OP	5	600	40	—	+13 −2
50	LME50UU	6	1,130	LME50UU–AJ	6	1,110	LME50UU–OP	5	970	50		
60	LME60UU	6	2,000	LME60UU–AJ	6	2,050	LME60UU–OP	5	1,580	60		

Seal type:
LME20UU

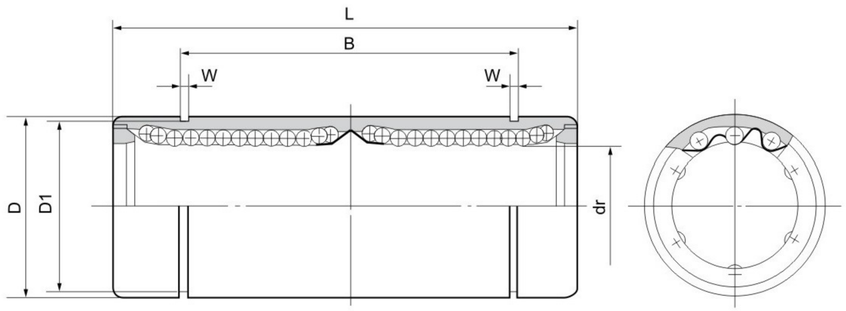
No entry	No seals
U	Seal on one side
UU	Seal on both sides

Note: Smaller sizes (3 and 4mm I.D.) are non–seal type only.

Major dimensions and tolerance												Eccentricity μ m	Radial clearance (Max) μ m	Basic load rating	
	D		L		B	W	D_1	h	h_1	Θ				Dynamic Co N	Static Co N
mm	Tolerance μ m	mm	Tolerance μ m	mm	Tolerance μ m	mm	mm	mm	mm						
7	0 −8	10	0 −120	—	—	—	—	—	—	—		10	−3	69	105
8		12		—	—	—	—	—	—	—				88	127
12		22		14.5	0 −200	1.1	11.5	1	—	—				206	265
16		25		16.5		1.1	15.2	1	—	—				265	402
19	0 −9	29	0 −200	22		1.3	18	1	6.8	80°		12	−4	372	549
22		32		22.9		1.3	21	1.5	7.5	78°				510	784
26		36		24.9		1.3	24.9	1.5	10	78°				578	892
32	0 −11	45		31.5		1.6	30.3	2	10	60°			−6	862	1370
40		58		44.1		1.85	37.5	2	12.5	60°		15		980	1570
47		68	0 −300	52.1	0 −300	1.85	44.5	2	12.5	50°			−8	1570	2740
62	0 −13	80		60.6		2.15	59	3	16.8	50°		17		2160	4020
75		100		77.6		2.65	72	3	21	50°			−13	3820	7940
90	0 −15	125	0 −400	101.7	0 −400	3.15	86.5	3	27.2	54°		20		4700	9800

SIUNIT：1N≈0.102kgf

LME···LUU (Resin retainer)
This type is a metric dimension series generally used in Europe.



LME···LUU

Nominal shaft diameter mm	LME···LUU	Ball circuit	主要尺寸和公差 Major dimensions and tolerance										Eccentricity μm	Basic load arting		Weight (gf)
			dr		D		L		B		W	D_1				
			mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm	mm	mm		Dynamic Co N	Static Co N	
8	LME6LUU	4	8	+9 −1	16		46		33		1.1	15.2		421	804	40
12	LME12LUU	4	12		22	0 −11	61	0 −300	45.8	0 −300	1.3	21	15	813	1,570	80
16	LME16LUU	5	16	+11 −1	26		68		49.8		1.3	24.9		921	1,780	115
20	LME20LUU	5	20		32		80		61		1.6	30.5		1,370	2,740	180
25	LME25LUU	6	25	+13 −2	40	0 −13	112		82		1.85	38	17	1,570	3,140	430
30	LME30LUU	6	30		47		123		104.2		1.85	44.5		2,500	5,490	615
40	LME40LUU	6	40	+16 −4	62	0 −15	151	0 −400	121.2	0 −400	2.15	59	20	3,430	8,040	1,400
50	LME50LUU	6	50		75		192		155.2		2.65	72		6,080	15,900	2,320
60	LME60LUU	6	60		90	0 −20	209		170		3.15	86.5	25	7,550	20,000	3,920

SIUNIT：1N≈0.102kgf

Seal type:

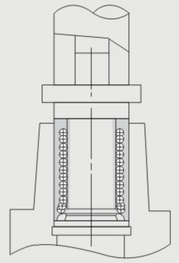
LME20LUU

No entry	No seals
UU	Seal on both sides

Mounting

●When inserting the slide bush into the housing, do not hit the slide bush on the side ring holding the retainer but apply the cylinder circumference with a proper jig and push the slide bush into the housing by hand or lightly knock it in. (See Fig. 1)In inserting the shaft after mounting the bush, be careful not to shock the balls. Note that if two shafts are used in parallel, the parallelism is the most important factor to assure the smooth linear movement. Take care in setting the shafts.

Fig.1



Examples of Mounting

●The popular way to mount a slide bush is to operate it with an appropriate interference. It is recommended, however, to make a loose fit in principle because otherwise precision is apt to be minimized. The following examples(Figs. 2 to 6) show assembling of the inserted bush in terms of designing and mounting, for reference.

Fig.2

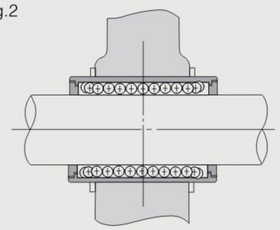


Fig.3

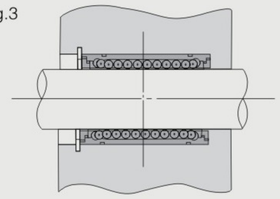


Fig.4

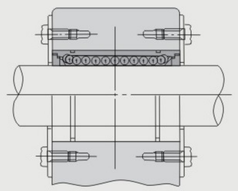


Fig.5

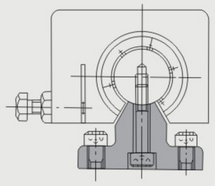
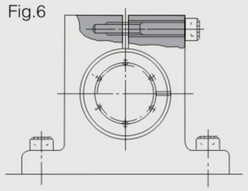
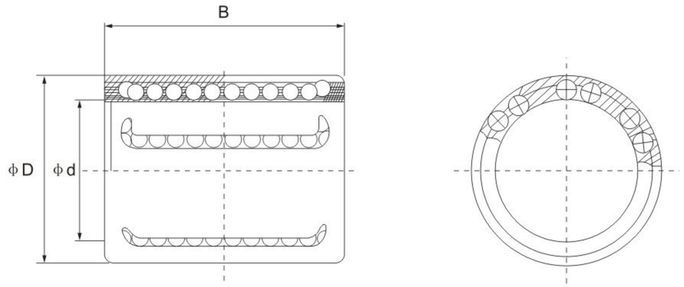


Fig.6



KH···



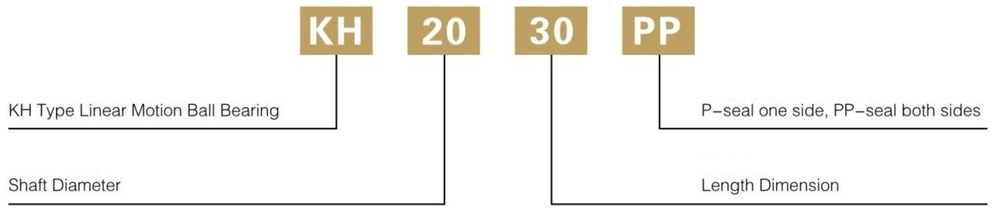
Flanged Linear Motion Ball Bearing

●The MYT flanged linear motion ball bearing is equipped with a perpendicular mounting surface as part of the outer casing. Therefore it does not require a housing thus providing high cost efficiency.

●Flanged linear motion ball bearings have sufficient rigidity to support equivalent loads of standard ball bushings. Incorporated in this design is a finely machined flange and oute r diameter with exact perpendicularity, and excellent flange interchange bility to simplify replacement.

Designation	Major dimensions (mm)			Basic load rating		Weight (gf)
	Φd	ΦD	B	Dynamic Co N	Static Co N	
KH0622	6	12	22	400	239	7
KH0824	8	15	24	435	280	12
KH1026	10	17	26	500	370	14.5
KH1228	12	19	28	620	510	18.5
KH1428	14	21	28	620	520	20.5
KH1630	16	24	30	800	620	27.5
KH2030	20	28	30	950	790	32.5
KH2540	25	35	40	1,990	1,670	66
KH3050	30	40	50	2,800	2,700	95
KH4060	40	52	60	4,400	4,450	182
KH5070	50	62	70	5,500	6,300	252

Type number format



Structure and Features

●This design enables various mounting methods other than conventional pillow blocks and press fit ball bushings.

●MYT flanged linear motion ball bearings include single retainer and mounted flange as well as double retainer end mount and certen mounted flange type with excellent moment load capability

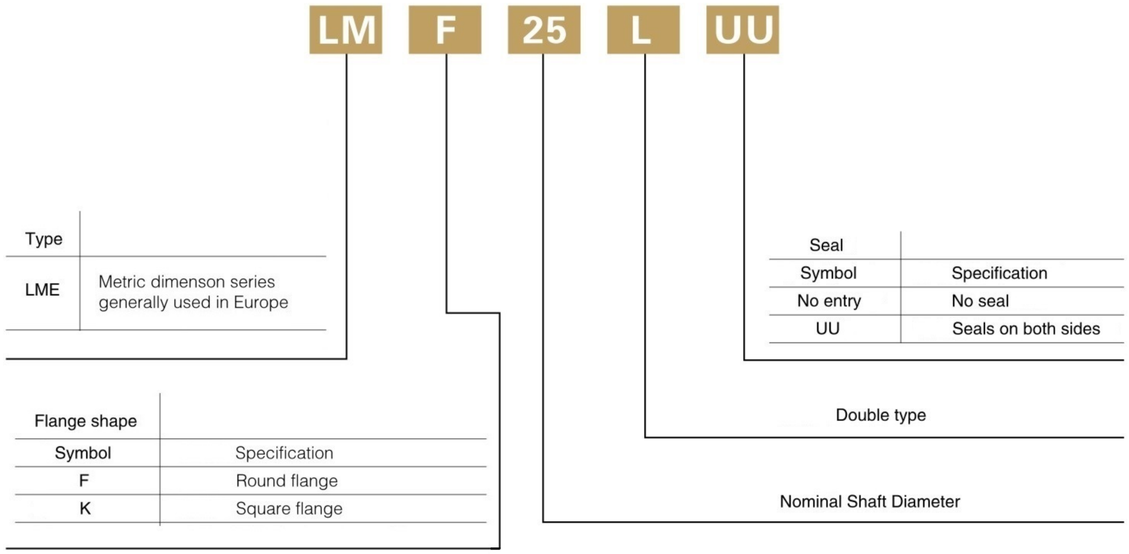
●No housing required

●Compact design

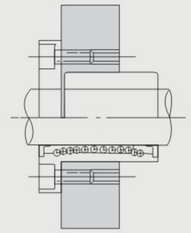
●Excellent rigidity

●High accuracy upon replacement

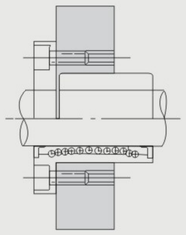
Flanged Linear Motion Ball Bearings Type Number Format



Classifications of Flanged Linear Motion Ball Bearing No.(2)

结构 Structure	安装实例 Mounting example	法兰类型 Flange type		长度 Length	所在页码 Dimension table page		
					LM series	LME series	LMB series
加长法兰型 Double–Wide Flanged type 		LMEF···L		Double			
		LMEK···L		Double			

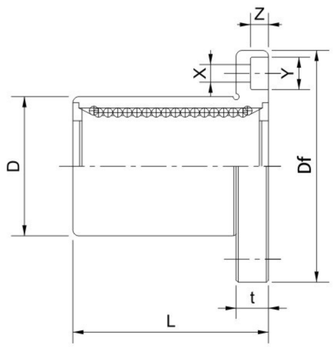
Classifications of Flanged Linear Motion Ball Bearing No.(1)

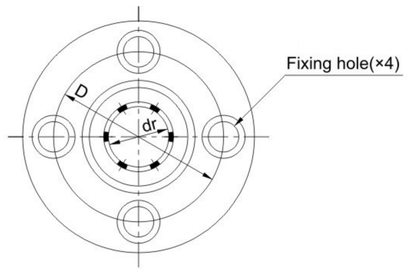
Design	Mounting example	Flange type		Length	Dimension table page		
					LM series	LME series	LMB series
Standded Flanged type 		LMEF		Single			
		LMEK		Single			

LMEF(K)···UU (Resin retainer)
This type is a metric dimension series generally used in Europe.

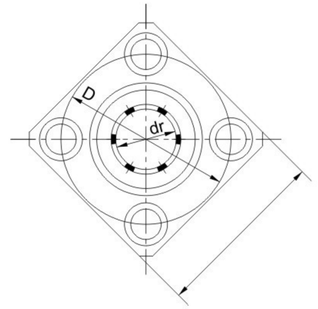
LMEF···UU

LMEK···UU





LMEF···UU



LMEK···UU

Nominal shaft diameter mm	LMEF···UU	Weight (gf)	LMEK···UU	Weight (gf)	Major dimensions and tolerance					
					dr		D		L	
					mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm
5	LMEF5UU	26	LMEK5UU	20	5	+8 0	12	0 −8	22	±300
8	LMEF8UU	41	LMEK8UU	33	8		16		25	
12	LMEF12UU	80	LMEK12UU	64	12		22	0 −9	32	0 −200
16	LMEF16UU	103	LMEK16UU	90	16	+9 −1	26		36	
20	LMEF20UU	182	LMEK20UU	147	20		32	0 −11	45	
25	LMEF25UU	335	LMEK25UU	295	25	+11 −1	40		58	
30	LMEF30UU	560	LMEK30UU	465	30		47		68	0 −300
40	LMEF40UU	1,175	LMEK40UU	975	40	+13 −2	62	0 −13	80	
50	LMEF50UU	1,745	LMEK50UU	1,545	50		75		100	
60	LMEF60UU	3.220	LMEK60UU	2,780	60		90	0 −15	125	0 −400
80	LMEF80UU	6,420	LMEK80UU	5,920	80	+16 −4	120		165	

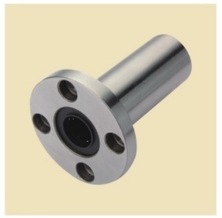
Major dimensions and tolerance								Eccentricity μm	Squareness μm	Basic load rating	
Flange											
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm				Dynamic C N	Static Co N
28	22	5	20	3.5	6	3.1		12	12	206	265
32	25	5	24	3.5	6	3.1				265	402
42	32	6	32	4,5	7.5	4.1				510	784
46	35	6	36	4,5	7.5	4.1				578	892
54	42	8	43	5.5	9	5.1		15	15	862	1,370
62	50	8	51	5.5	9	5.1				980	1,570
76	60	10	62	6.6	11	6.1				1,570	2,740
98	75	13	80	9	14	8.1		17	17	2,160	4,020
112	88	13	94	9	14	8.1				3,820	7,940
134	106	18	112	11	17	11.1		20	20	4,700	9,800
164	136	18	142	11	17	11.1				7,350	16,000

SIUNIT: 1N≈0.102kgf

Seal type:
LMEF20UU

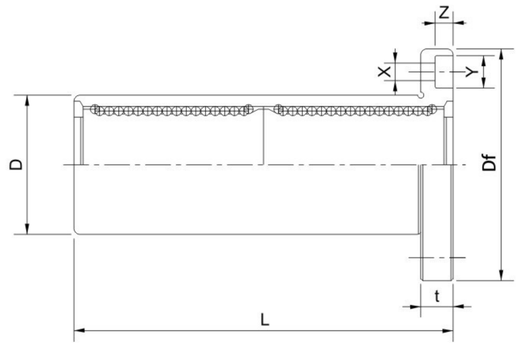
No entry	No seals
UU	Seal on both sides

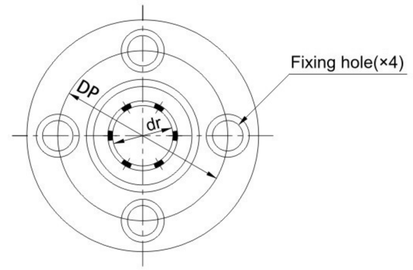
LMEF(K)···LUU (Resin retainer)
This type is a metric dimension series generally used in Europe.



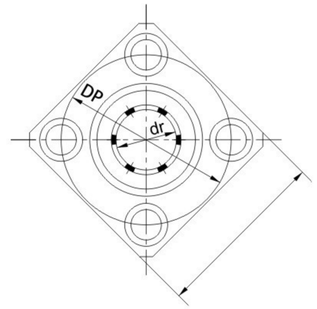
LMEF···LUU

LMEK···LUU





LMEF···LUU



LMEK···LUU

Nominal shaft diameter mm	LMEF···LUU	Weight (gf)	LMEK···LUU	Weight (gf)	Major dimensions and tolerance					
					dr		D		L	
					mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm
8	LMEF8LUU	59	LMEK8LUU	51	8	+9	16	0 −9	46	±300
12	LMEF12LUU	110	LMEK12LUU	90	12	−1	22	0	61	0 −300
16	LMEF16LUU	160	LMEK16LUU	135	16	+11	26	−11	68	
20	LMEF20LUU	260	LMEK20LUU	225	20	−1	32	0 −13	80	
25	LMEF25LUU	540	LMEK25LUU	500	25	+13	40		112	0 −400
30	LMEF30LUU	815	LMEK30LUU	720	30	−2	47		123	
40	LMEF40LUU	1,805	LMEK40LUU	1,600	40	+16 −4	62	0 −15	151	
50	LMEF50LUU	2,820	LMEK50LUU	2,620	50		75		192	
60	LMEF60LUU	4,920	LMEK60LUU	4,480	60		90	0 −20	209	

Major dimensions and tolerance							Eccentricity μm	Squareness μm	Basic load rating	
Flange										
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm			Dynamic C N	Static Co N
32	25	5	24	3.5	6	3.1	15	15	421	804
42	32	6	32	4,5	7.5	4.1			813	1,570
46	35	6	36	4,5	7.5	4.1			912	1,780
54	42	8	43	5.5	9	5.1	17	17	1,370	2,740
62	50	8	51	5.5	9	5.1			1,570	3,140
76	60	10	62	6.6	11	6.1			2,500	5,490
98	75	13	80	9	14	8.1	20	20	3,430	8,040
112	88	13	94	9	14	8.1			6,080	15,900
134	106	18	112	11	17	11.1	25	25	7,550	20,000

SIUNIT: 1N≈0.102kgf

Seal type:
LMEF20LUU

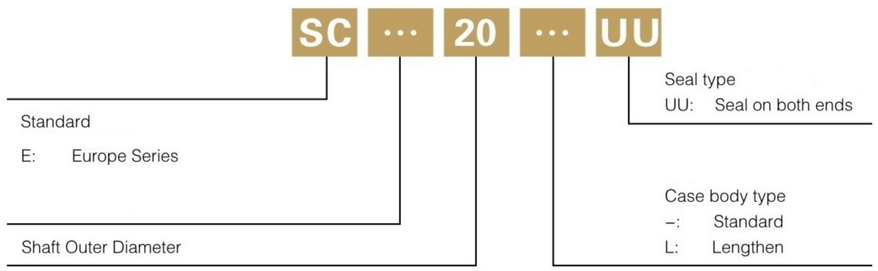
No entry	No seals
UU	Seal on both sides

Linear Motion Ball Bearings Slide Unites

● CPC Co., Ltd can supply all types of Linear Motion Ball Bearing Slide Units, It's used for rectilinear motion product. Precise machining aluminium Slide Units, follows standardization desingn, cost low, designs high efficiency and so on.

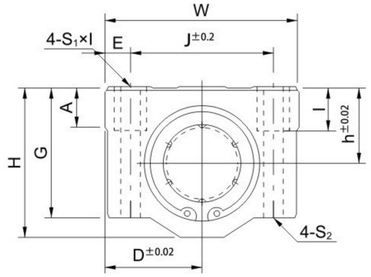
SC SC(E) 	SC(E) Standard aluminium Slide Units Pass screw accomplish simple installation
SC···L SC(E)···L 	SC(E)···L lengthen aluminium Slide Units (include two standard linear motion ball bearings)

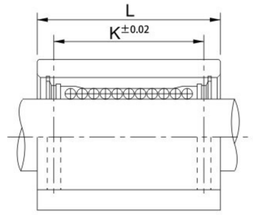
Product model Desicription



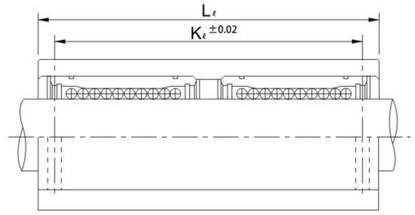
SCE···UU

SCE···LUU





SCE···UU



SCE···LUU

Standard		Basic load rating		Weight (gf)	Length Type		Basic load rating		Weight (gf)	Shorten Type	
Designation	Liner Bearing	Dynamic C N	Static Co N		Designation	Liner Bearing	Dynamic C N	Static Co N		Designation	Liner Bearing
SCE8UU	LME8UU	260	400	80	SCE8LUU	2×LME8UU	410	800	98	SCE8SUU	LME8UU
SCE12UU	LME12UU	410	590	118	SCE12LUU	2×LME12UU	650	1,180	232	SCE12SUU	LME12UU
SCE16UU	LME16UU	770	1,170	180	SCE16LUU	2×LME16UU	1,230	2,340	360	SCE16SUU	LME16UU
SCE20UU	LME20UU	860	1,370	245	SCE20LUU	2×LME20UU	1,370	2,740	490	SCE20SUU	LME20UU
SCE25UU	LME25UU	980	1,560	550	SCE25LUU	2×LME25UU	1,560	3,120	1,100	SCE25SUU	LME25UU
SCE30UU	LME30UU	1,560	2,740	760	SCE30LUU	2×LME30UU	2,490	5,480	1,525	SCE30SUU	LME30UU
SCE40UU	LME40UU	2,150	4,010	1,700	SCE40LUU	2×LME40UU	3,440	8,020	3,400	SCE40SUU	LME40UU
SCE50UU	LME50UU	3,820	7,930	2,950	SCE50LUU	2×LME50UU	6,110	15,860	5,920	SCE50SUU	LME50UU

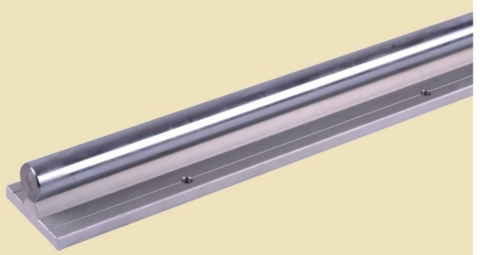
Basic load rating		Weight (gf)	Dimensions (mm)																
			Shaft Diameter	Nominal Dimensions (mm)										SC···UU		SC···LUU		SC···SUU
Dynamic C N	Static Co N			h	D	W	H	G	A	J	E	S1×I	S2	K	L	Kℓ	Lℓ	LS
260	400	40	ϕ8	11	17	34	22	18	6	24	5	M4×8	ϕ3.4	18	30	42	58	14.4
410	590	82	ϕ12	15	22	44	30	24	8	33	5.5	M5×10	ϕ4.3	26	39	64	77	20.3
770	1,170	122	ϕ16	19	25	50	38.5	32.5	9	36	7	M5×12	ϕ4.3	34	44	79	89	22.3
860	1,370	176	ϕ20	21	27	54	41	35	11	40	7	M6×12	ϕ5.2	40	53	90	106	28.3
980	1,560	400	ϕ25	26	38	76	51.5	41	12	54	11	M8×18	ϕ7.0	50	67	119	136	40.4
1,560	2,740	570	ϕ30	30	39	78	59.5	49	15	58	10	M8×18	ϕ7.0	58	76	132	154	48.4
2,150	4,010	1,320	ϕ40	40	51	102	78	62	20	80	11	M10×25	ϕ8.7	60	90	150	180	56.5
3,820	7,930	1,900	ϕ50	52	61	122	102	80	25	100	11	M10×25	ϕ8.7	80	110	200	230	72.3

支撑导轨单元
Support Rail Units

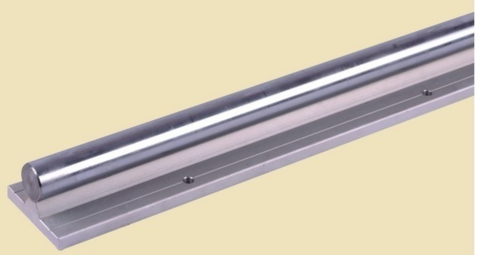
SBR···Slide Units

TBR···Slide Units

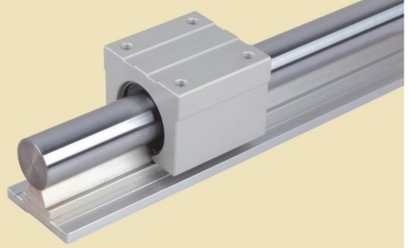
SBS···Support Rail



TBS···Support Rail



SBR···S Support Rail Units



TBR···S Support Rail Units

SB S ···A –1000L

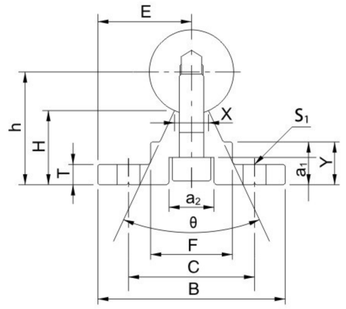
SB支撑导轨
SB Support Rail

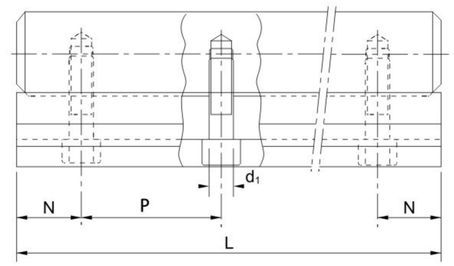
S: 带轴 With shaft
–: 不带轴 No shaft

支撑轨长度 Lenght of Rail

轴径 Shaft Diameter

★下表中的长度尺寸为推荐的标值用户订货时需要提供图纸。
We could manufacture according to customer's requirements.





型号 Designation	轴径 Shaft Diameter	尺寸 Nominal Dimensions (mm)														重量 Weight (kgf/m)
		E	h	B	H	T	F	X	Y	C	θ	S_1	a_1	a_2	d_1	
SBS16A	ϕ16	20	25	40	17.8	5	18.5	8	11.7	30	80°	ϕ5.5	6	9.5	5.5	2.56
SBS20A	ϕ20	22.5	27	45	17.7	5	19	8	10	30	50°	ϕ5.5	6.5	11	6.6	3.50
SBS25A	ϕ25	27.5	33	55	21	6	21.5	8	12	35	50°	ϕ6.6	6.5	11	6.6	5.30
SBS30A	ϕ30	30	37	60	22.8	7	26.5	10.3	13	40	50°	ϕ6.6	8.5	14	9	7.38
SBS35A	ϕ35	32.5	43	65	26.5	8	28	13	15.5	45	50°	ϕ9.0	8.5	14	9	9.68
SBS40A	ϕ40	37.5	48	75	29.4	9	38	16	17	55	50°	ϕ9.0	8.5	14	9	12.69
SBS50A	ϕ50	47.5	62	95	38.8	11	45	20	21	70	50°	ϕ11	12.5	19	11	20.46

支撑轨标准长度和主要尺寸
Support Rail Standard Length and Dimensions

型号 Designation	SBS16A	SBS20A	SBS25A	SBS30A	SBS35A	SBS40A	SBS50A
Standard Length L	190	340	250	450	460	460	470
	340	640	450	850	660	660	670
	640	940	850	1,250	860	860	870
	940	1,240	1,250	1,450	1,060	1,060	1,070
						1,260	1,270
N	20	20	25	25	30	30	35
P	150	150	200	200	200	200	200
Max.Length	1,390	1,390	1,850	1,850	1,860	1,860	2,070

Shaft Diameter

SBR···S **2A** + **1000L**

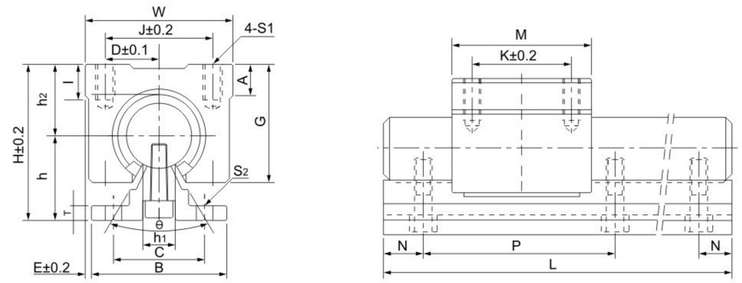
SBR Support Rail Units

Number of the Units On One Support Rail

Rail Length

The main lengths of rails and slide units can be searched on the form of SBS series.

** Units Designation



Designation		Shaft Diameter	Basic load rating		Weight (gf)		Dimensions (mm)				
Rail Units	Slide Units**		Dynamic C N	Static Co N	Slide Units (kgf)	Rails (kgf/m)	D	h	H	E	θ
SBR16SA	SBR16UUA	ϕ16	770	1,170	0.15	2.56	22.5	25	45	2.5	80°
SBR20SA	SBR20UUA	ϕ20	860	1,370	0.20	3.50	24	27	50	1.5	60°
SBR25SA	SBR25UUA	ϕ25	980	1,560	0.45	5.30	30	33	60	2.5	50°
SBR30SA	SBR30UUA	ϕ30	1,560	2,740	0.63	7.38	35	37	70	5	50°
SBR35SA	SBR35UUA	ϕ35	1,660	3,130	0.92	9.68	40	43	80	7.5	50°
SBR40SA	SBR40UUA	ϕ40	2,150	4,010	1.33	12.69	45	48	90	7.5	50°
SBR50SA	SBR50UUA	ϕ50	3,820	7,930	3.00	20.46	60	62	115	12.5	50°

Designation	Dimensions (mm)											
	W	G	A	B	T	M	$S_1 \times 1$	J	K	S_2	C	N	P
SBR16SA	45	33	9	40	5	45	M5×12	32	30	ϕ5.5	30	20	150
SBR20SA	48	39	11	45	5	50	M6×12	35	35	ϕ5.5	30	20	150
SBR25SA	60	47	14	55	6	65	M6×12	40	40	ϕ6.6	35	25	200
SBR30SA	70	56	15	60	7	70	M8×18	50	50	ϕ6.6	40	25	200
SBR35SA	80	63	18	65	8	80	M8×18	55	55	ϕ9.0	45	30	200
SBR40SA	90	72	20	75	9	90	M10×20	65	65	ϕ9.0	55	30	200
SBR50SA	120	91	25	95	11	110	M10×25	94	80	ϕ11	70	35	200

Designation	Dimensions (mm)											Designation	Basic load rating		Weight (gf)
	h_2	D	W	M	G	h_1	θ	K	S_1	I	A		Dynamic C N	Static Co N	
SBR16LUU	20	22.5	45	85	33	10	80°	60	M5	12	9	2×LM16UUOP	1,548	2,360	300
SBR20LUU	23	24	48	96	39	10	60°	70	M6	12	11	2×LM20UUOP	1,764	2,740	400
SBR25LUU	27	30	60	130	47	11.5	50°	100	M6	12	14	2×LM25UUOP	1,960	3,140	900
SBR30LUU	33	35	70	140	56	14	50°	110	M8	18	15	2×LM30UUOP	3,140	5,480	1,260
SBR40LUU	42	45	90	175	72	19	50°	140	M10	20	20	2×LM40UUOP	4,320	8,040	2,660

Shaft Diameter

TBR···S **2** + **1000L**

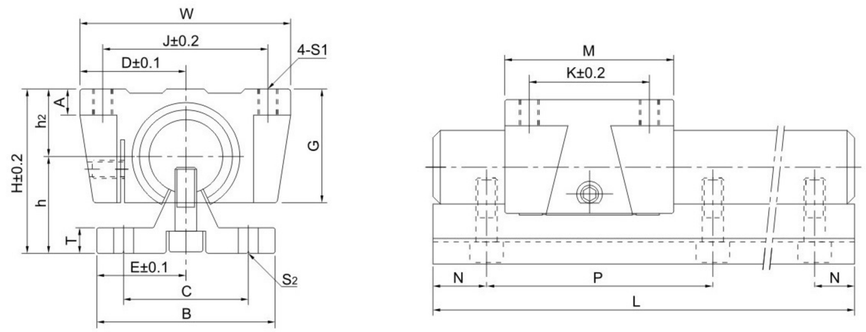
TBR Support Rail Units

Number of the Units On One Support Rail Units

Rail Length

The main lengths of rails and slide units can be searched on the form of TBS series.

** Units Designation



Designation		Shaft Diameter	Basic load rating		Weight (gf)		Dimensions (mm)			
Rail Units	Slide Units**		Dynamic C N	Static Co N	Slide Units (kgf)	Rails (kgf/m)	D	h	H	E
TBR16S	TBR16UU	16	392	490	0.18	2.45	31	22	40	25
TBR20S	TBR20UU	20	784	1176	0.30	3.60	34	29	50	27.5
TBR25S	TBR25UU	25	1568	2352	0.60	5.60	41	32	60	32.5
TBR30S	TBR30UU	30	1764	2940	0.90	8.00	45.5	36.5	70	37.5

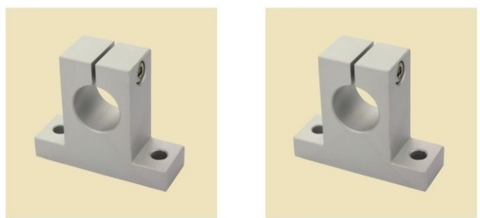
Designation	尺寸 Dimensions (mm)												
	W	G	A	B	T	M	S_1	J	K	S_2	C	N	P
TBR16S	62	26	8	50	6	42	M5	50	30	ϕ5.5	37	20	150
TBR20S	68	31	10	55	8	51	M6	54	37	ϕ5.5	40	20	150
TBR25S	82	41	12	65	10	65	M8	65	50	ϕ6.6	45	25	200
TBR30S	91	48	12	75	12	75	M8	75	60	ϕ6.6	55	25	200

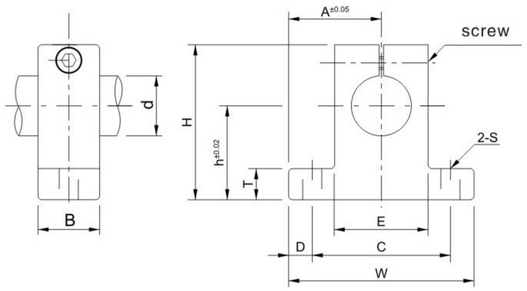
Slide Support

SH ···

Support of Shaft

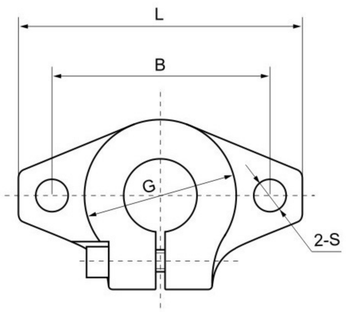
Shaft Diameter

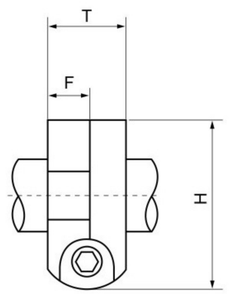




SH

SHF





Designation	Shaft Diameter	Dimensions (mm)											Weight (gf)
		h	A	W	H	T	E	D	C	B	S	J	
SH8	ϕ8	20	21	42	32.8	6	18	5	32	14	ϕ5.5	M4	24
SH10	ϕ10	20	21	42	32.8	6	18	5	32	14	ϕ5.5	M4	24
SH12	ϕ12	23	21	42	37.5	6	20	5	32	14	ϕ5.5	M4	30
SH13	ϕ13	23	21	42	37.5	6	20	5	32	14	ϕ5.5	M4	30
SH16	ϕ16	27	24	48	44	8	25	5	38	16	ϕ5.5	M4	40
SH20	ϕ20	31	30	60	51	10	30	7.5	45	20	ϕ6.6	M5	70
SH25	ϕ25	35	35	70	60	12	38	7	56	24	ϕ6.6	M6	130
SH30	ϕ30	42	42	84	70	12	44	10	64	28	ϕ9	M6	180
SH35	ϕ35	50	49	98	82	15	50	12	74	32	ϕ11	M8	270
SH40	ϕ40	60	57	114	96	15	60	12	90	36	ϕ11	M8	420
SH50	ϕ50	70	63	126	120	18	74	13	100	40	ϕ14	M12	750
SH60	ϕ60	80	74	148	136	18	90	14	120	45	ϕ14	M12	1100

Designation	Shaft Diameter	Dimensions (mm)							Mounting bolt designation	Clamping bolt designation	Weight (gf)
		L	T	F	B	G	H	S			
SHF10	ϕ10	43	10	5	32	20	24	5.5	M5	M4	13
SHF12	ϕ12	47	13	7	36	25	28	5.5	M5	M4	20
SHF13	ϕ13	47	13	7	36	25	28	5.5	M5	M4	20
SHF16	ϕ16	50	16	8	40	28	31	5.5	M5	M4	27
SHF20	ϕ20	60	20	8	48	34	37	7	M6	M5	40
SHF25	ϕ25	70	25	10	56	40	42	7	M6	M5	60
SHF30	ϕ30	80	30	12	64	46	50	9	M8	M6	110
SHF35	ϕ35	92	35	14	72	50	58	12	M10	M8	380
SHF40	ϕ40	102	40	16	80	56	67	12	M10	M10	510
SHF50	ϕ50	122	50	19	96	70	83	14	M12	M12	890
SHF60	ϕ60	140	60	23	112	82	95	14	M12	M12	1,500