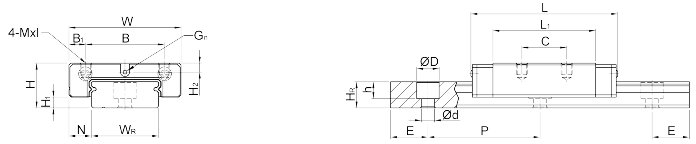
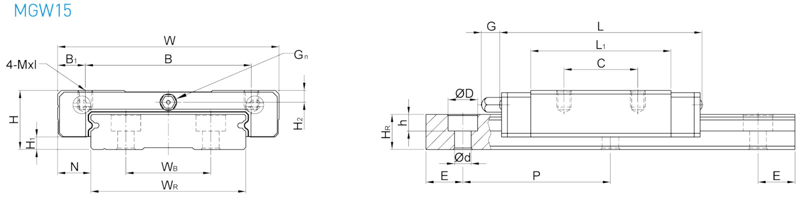
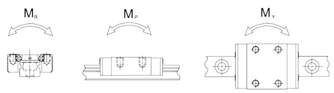
(2) MGW-C / MGW-H

MGW7, MGW9, MGW12



MGW15





Model No.	Dimensions of Assembly (mm)			Dimensions of Block (mm)										Dimensions of Rail (mm)								Mounting Bolt for Rail	Basic Dynamic Load Rating	Basic Static Load Rating	Static Rated Moment			Weight	
																									M_R	M_P	M_Y	Block	Rail
	H	H_1	N	W	B	B_1	C	L_1	L	G	G_n	Mxl	H_2	W_R	W_B	H_R	D	h	d	P	E	(mm)	C(kN)	C_0 (kN)	N-m	N-m	N-m	kg	kg/m
MGW 7C	9	1.9	5.5	25	19	3	10	21	31.2	-	Ø1.2	M3x3	1.85	14	-	5.2	6	3.2	3.5	30	10	M3x6	1.37	2.06	15.70	7.14	7.14	0.020	0.51
MGW 7H							19	30.8	41														1.77	3.14	23.45	15.53	15.53	0.029	
MGW 9C	12	2.9	6	30	21	4.5	12	27.5	39.3	-	Ø1.2	M3x3	2.4	18	-	7	6	4.5	3.5	30	10	M3x8	2.75	4.12	40.12	18.96	18.96	0.040	0.91
MGW 9H					23	3.5	24	38.5	50.7														3.43	5.89	54.54	34.00	34.00	0.057	
MGW 12C	14	3.4	8	40	28	6	15	31.3	46.1	-	Ø1.2	M3x3.6	2.8	24	-	8.5	8	4.5	4.5	40	15	M4x8	3.92	5.59	70.34	27.80	27.80	0.071	1.49
MGW 12H							28	45.6	60.4														5.10	8.24	102.70	57.37	57.37	0.103	
MGW 15C	16	3.4	9	60	45	7.5	20	38	54.8	5.2	M3	M4x4.2	3.2	42	23	9.5	8	4.5	4.5	40	15	M4x10	6.77	9.22	199.34	56.66	56.66	0.143	2.86
MGW 15H							35	57	73.8														8.93	13.38	299.01	122.60	122.60	0.215	

Note : 1 kgf = 9.81 N

D.Linear Bearing

LINEAR BALL BUSHING

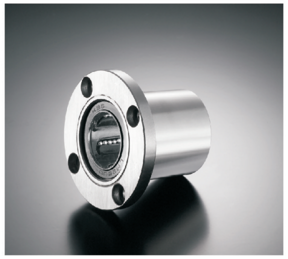
LM
LME
LMB

LM-AJ
LME-AJ
LMB-AJ

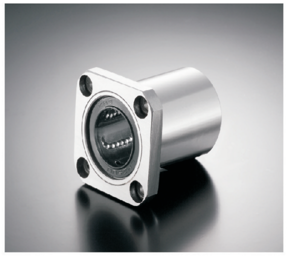
LM -OP
LME -OP
LMB -OP

LM-L
LME-L
LMB-L

FLANGED TYPE LINEAR BALL BUSHING



LM-L
LME-L
LMB-L



LMK
LMEK
LMBK

LMH

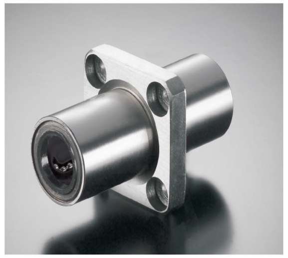
LMF-L
LMEF-L
LMBF-L

LMK-L
LMEK-L
LMBK-L

LMH-L

FLANGED SLIDE BUSH

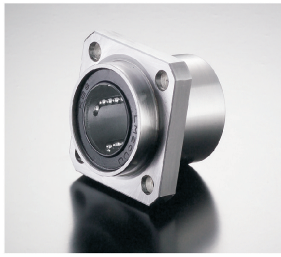
LMFC
LMEFC
LMBFC



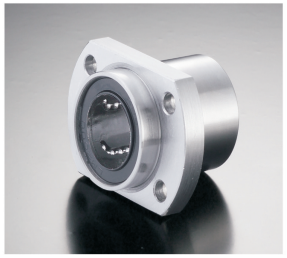
LMKC
LMEKC
LMBKC

LMHC

LMF···UU-E



LMK···UU-E



LMH···UU-E

LMF···LUU-E

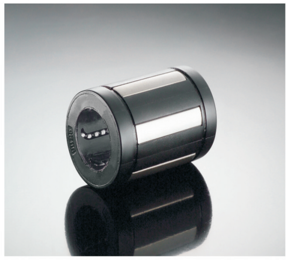
LMK···LUU-E

LMH···LUU-E

KH BUSHING

COMPACT RANGE
KH SERIES

SUPER LINEAR BALL BUSHING



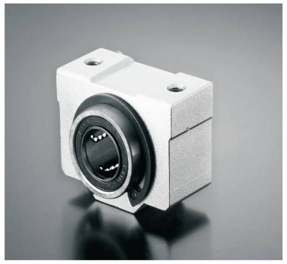
LMES
LMBS

LMES-OP
LMBS-OP

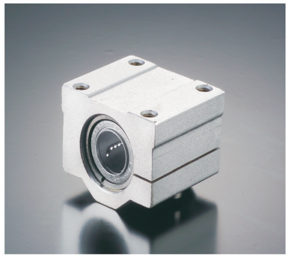
LINEAR BALL BUSHING CASE UNIT

SC
SCE

SC-W
SCE-W

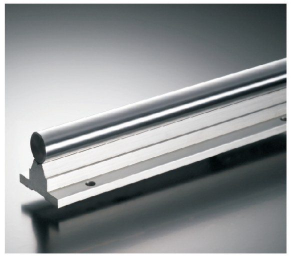


SC-V
SCE-V

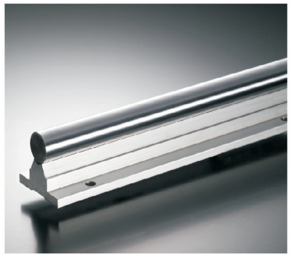


SCJ

SUPPORT RAIL UNIT



SBS

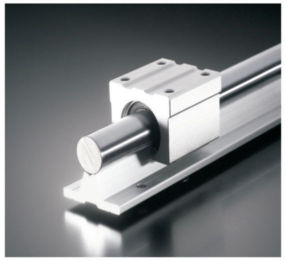


TBS

SBR

SUPPORT RAIL UNIT

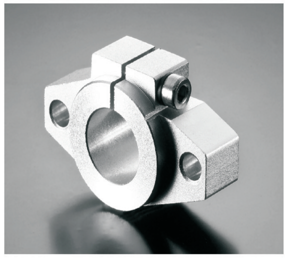
TBR



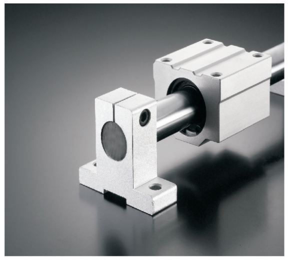
SBR-S

TBR-S

SHAFT SUPPORT

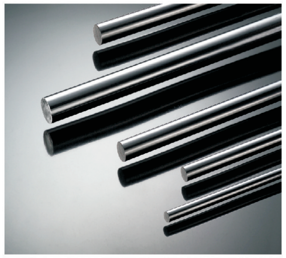


SHF



SK

FINE SHAFT

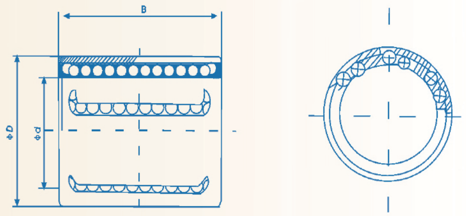


SF

< Linear Ball Bushing>

<KH series>
<LM. LME. LMB series>
<LMF.K. H series>
<LMF. K. H •••L series>

Standard Linear Ball Bearing Steel Drawn Cup/Cage Plastic



Part-No.	ϕd	ϕD	B	Dyn.	Stat.	
	Dimensions [mm]			Load Capacity [N]		Weight [g]
KH-0622	6	12	22	400	240	7
KH-0824	8	15	24	440	280	12
KH-1026	10	17	26	500	370	14.5
KH-1228	12	19	28	620	510	18.5
KH-1428	14	21	28	710	530	20.5
KH-1630	16	24	30	800	630	27.5
KH-2030	20	28	30	950	800	32.5
KH-2540	25	35	40	1990	1560	66
KH-3050	30	40	50	2900	2700	95
KH-4060	40	52	60	5100	4500	182
KH-5070	50	62	70	6950	6300	252

Ordering Example:

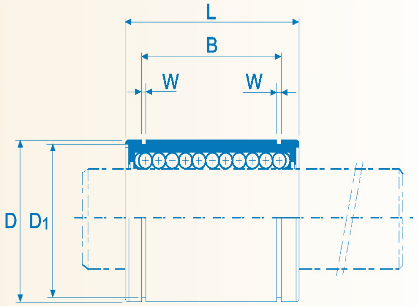
KH — Standard linear Bearing

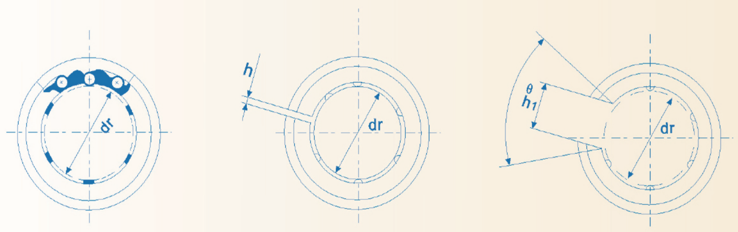
ϕ — Shaft Diameter

PP — P=seal one end, PP=seal both ends

LM <Built-in Synthetics Resin Retainer>

This type is a metric dimension series widely used in Japan and other countries





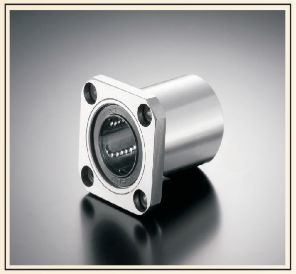
LM　　LM・・・AJ　　LM・・・OP

Nominal Part No.						Nominal Shaft Diameter (mm)	
Standard Type	Seal Type	Ball Circuit	Weight g	Adjustable Type	Open Type	dr	Tolerance
LM 4 LM 5	LM 4 UU LM 5 UU	4 4	2.0 4	—— ——	—— ——	4 5	0 -0.008
LM 6 LM 8S LM 8	LM 6 UU LM 8S UU LM 8 UU	4 4 4	8.5 11 17	LM 6-AJ LM 8S-AJ LM 8-AJ	—— —— ——	6 8 8	
LM 10 LM 12 LM 13	LM 10 UU LM 12 UU LM 13 UU	4 4 4	36 42 49	LM 10-AJ LM 12-AJ LM 13-AJ	—— LM 12-OP LM 13-OP	10 12 13	0 -0.009
LM 16 LM 20 LM 25	LM 16 UU LM 20 UU LM 25 UU	5 5 6	76 100 240	LM 16-AJ LM 20-AJ LM 25-AJ	LM 16-OP LM 20-OP LM 25-OP	16 20 25	0 -0.010
LM 30 LM 35	LM 30 UU LM 35 UU	6 6	270 425	LM 30-AJ LM 35-AJ	LM 30-OP LM 35-OP	30 35 38	0 -0.012
LM 40 LM 50 LM 60	LM 40 UU LM 50 UU LM 60 UU	6 6 6	654 1700 2000	LM 40-AJ LM 50-AJ LM 60-AJ	LM 40-OP LM 50-OP LM 60-OP	40 50 60	0 -0.015

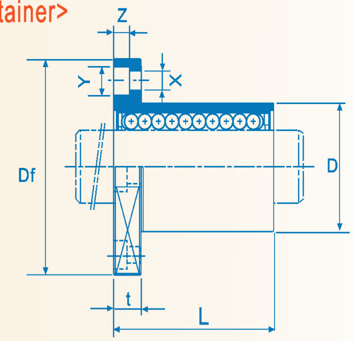
Major Dimensions and Tolerance (mm)											Eccentricity (max) μm	Radial Clearance (max) μm	Basic Load Rating		Nominal Part No.
D	Tolerance	L	Tolerance	B	Tolerance	W	D1	h	h1	θ			C(N)	Co(N)	
8 10	0 -0.009	12 15	0 -0.12	— 10.2		— 1.1	— 9.6	— —	— —	— —	8	−3	167	206	LM 4 LM 5
12 15 15	0 -0.011	19 17 24		13.5 11.5 17.5		1.1 1.1 1.1	11.5 14.3 14.3	1 1 1	— — —	— — —	12 12 12	−3 −3 −3	206 176 265	265 225 402	LM 6 LM 8S LM 8
19 21 23	0 -0.013	29 30 32	0 -0.2	22 23 23	0 -0.2	1.3 1.3 1.3	18 20 22	1 1.5 1.5	8 9	80° 80°	12 12 12	−4 −4 −4	373 412 510	549 590 775	LM 10 LM 12 LM 13
28 32 40	0 -0.016	37 42 59		26.5 30.5 41		1.6 1.6 1.85	27 30.5 38	1.5 1.5 2	11 11 12	80° 60° 50°	12 15 15	−6 −6 −6	775 863 980	1180 1370 1570	LM 16 LM 20 LM 25
45 52	0 -0.019	64 70	0 -0.3	44.5 49.5	0 -0.3	1.85 2.1	43 49	2.5 2.5	15 17	50° 50°	15 20	−8 −8	1570 1670	2750 3140	LM 30 LM 35
60 80 90	0 -0.022	80 100 110		60.5 74 85		2.1 2.6 3.15	57 76.5 86.5	3 3 3	20 25 30	50° 50° 50°	20 20 25	−10 −13 −13	2162 3820 4710	4020 7940 10000	LM 40 LM 50 LM 60

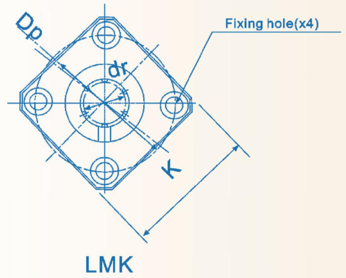
SI Unit 1N≒0.102kgf

LMK <Built-in Synthetics Resin Retainer>



This type is a metric dimension series widely used in Japan and other countries





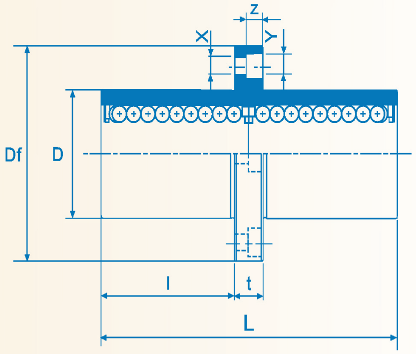
Nominal Part No.				Major Dimensions and Tolerance (mm)					
Standard Type	Seal Type	Ball Circuit	Weight g	dr	Tolerance	D	Tolerance	L	Tolerance
LMK 6	LMK 6 UU	4	18	6		12	0	19	
LMK 8S	LMK 8S UU	4	24	8		15	-0.013	17	
LMK 8	LMK 8 UU	4	29	8	0	15		24	
LMK 10	LMK 10 UU	4	52	10	-0.009	19		29	
LMK 12	LMK 12 UU	4	57	12		21	0 -0.016	30	
LMK 13	LMK 13 UU	4	72	13		23		32	
LMK 16	LMK 16 UU	5	104	16		28		37	
LMK 20	LMK 20 UU	5	145	20		32		42	±0.3
LMK 25	LMK 25 UU	6	300	25	0 -0.010	40	0 -0.019	59	
LMK 30	LMK 30 UU	6	375	30		45		64	
LMK 35	LMK 35 UU	6	560	35		52		70	
LMK 40	LMK 40 UU	6	880	40	0 -0.012	60	0 -0.022	80	
LMK 50	LMK 50 UU	6	2000	50		80		100	
LMK 60	LMK 60 UU	6	2560	60	0 -0.015	90	0 -0.025	110	

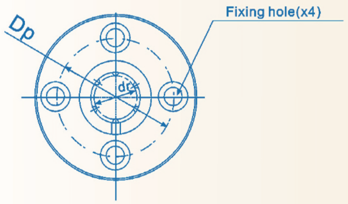
Major Dimensions and Tolerance (mm)							Eccentricity	Squareness	Basic Load Rating		Nominal Part No.
Flange							μm	μm	Dynamic C(N)	Static Co(N)	
Df	K	t	Dp	X	Y	Z					
28	22	5	20	3.5	6	3.1	12	12	206	265	LMK 6
32	25	5	24	3.5	6	3.1	12	12	176	216	LMK 8S
32	25	5	24	3.5	6	3.1	12	12	274	392	LMK 8
40	30	6	29	4.5	7.5	4.1	12	12	372	549	LMK 10
42	32	6	32	4.5	7.5	4.1	12	12	510	784	LMK 12
43	34	6	33	4.5	7.5	4.1	12	12	510	784	LMK 13
48	37	6	38	4.5	7.5	4.1	12	12	774	1,180	LMK 16
54	42	8	43	5.5	9	5.1	15	15	882	1,370	LMK 20
62	50	8	51	5.5	9	5.1	15	15	980	1,570	LMK 25
74	58	10	60	6.6	11	6.1	15	15	1,570	2,740	LMK 30
82	64	10	67	6.6	11	6.1	20	20	1,670	3,140	LMK 35
96	75	13	78	9	14	8.1	20	20	2,160	4,020	LMK 40
116	92	13	98	9	14	8.1	20	20	3,820	7,940	LMK 50
134	106	18	112	11	17	11.1	25	25	4,700	10,000	LMK 60

SI Unit 1N≒0.102kgf

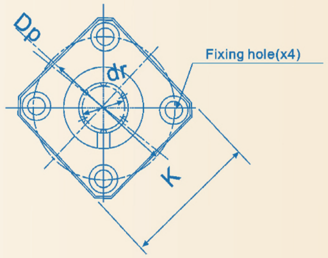
LMFC <Resin Retainer>

This type is a metric dimension series widely used in Japan and other countries.





LMFC



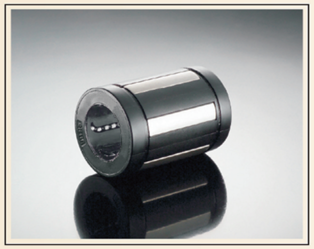
LMKC

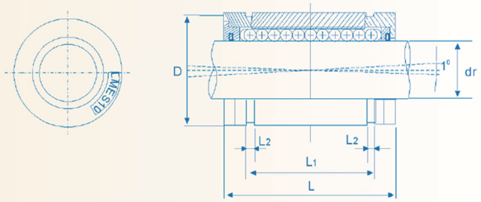
Nominal shaft diameter mm	Part No.		Major dimensions and tolerance								
	LMFC	LMKC	dr		D		L		Flange		
			mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm	l mm	Df mm	K mm
6	LMFC6	LMKC6	6		12	0	35		15	28	22
8	LMFC8	LMKC8	8		15	-13	45		20	32	25
10	LMFC10	LMKC10	10	0	19		55		24.5	40	30
12	LMFC12	LMKC12	12	-10	21	0	57		25.5	42	32
13	LMFC13	LMKC13	13		23	-16	61		27.5	43	34
16	LMFC16	LMKC16	16		28		70		32	48	37
20	LMFC20	LMKC20	20		32		80	±300	36	54	42
25	LMFC25	LMKC25	25	0	40	0	112		52	62	50
30	LMFC30	LMKC30	30	-12	45	-19	123		56.5	74	58
35	LMFC35	LMKC35	35		52		135		62.5	82	64
40	LMFC40	LMKC40	40	0 -15	60	0 -22	151		69	96	75
50	LMFC50	LMKC50	50		80		192		89.5	116	92
60	LMFC60	LMKC60	60	0 -20	90	0 -25	209		95.5	134	106

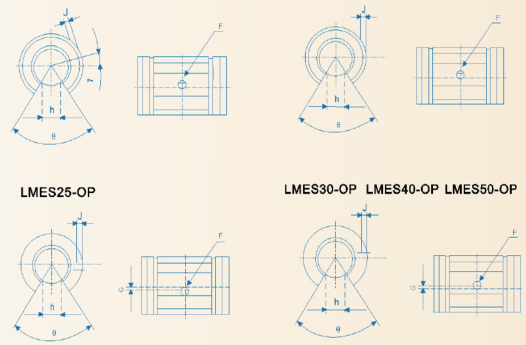
Seal type:
LMFC10 UU

Major dimensions and tolerance					Eccentricity	Squareness	Basic load rating		Weight	Nominal shaft diameter mm
Flange										
t mm	Dp mm	X mm	Y mm	Z mm	μm	μm	dynamic C(N)	Static Co(N)	g	
5	20	3.5	6	3.1			323	530	31 25	6
5	24	3.5	6	3.1			431	784	51 43	8
6	29	4.5	7.5	4.1			588	1,100	98 78	10
6	32	4.5	7.5	4.1	15	15	813	1,570	110 90	12
6	33	4.5	7.5	4.1			813	1,570	130 108	13
6	38	4.5	7.5	4.1			1,230	2,350	190 165	16
8	43	5.5	9	5.1			1,400	2,740	260 225	20
8	51	5.5	9	5.1	20	20	1,560	3,140	540 500	25
10	60	6.6	11	6.1			2,490	5,490	680 590	30
10	67	6.6	11	6.1			2,650	6,270	1,020 930	35
13	78	9	14	8.1	25	25	3,430	8,040	1,570 1,380	40
13	98	9	14	8.1			6,080	15,900	3,600 3,400	50
18	112	11	17	11.1	30	30	7,550	20,000	4,500 4,060	60

LMES Series







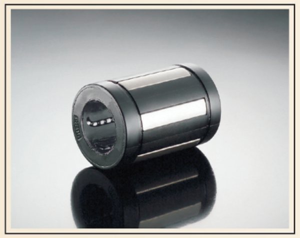
Shaft Dia. (mm)	Standard Type				Dimensions (mm)				Diameteral Clearance		Basic Load Ratings	
	Part number		No.of Ball circuit	Wgt. (g)	D[1]	L ±0.2	L1 ±0.2	L2 min	dr (mm)	Tol. (μm)	Dynamic C (N)	Static Co (N)
	w/o seal	with seal										
10	LMES 10	LMES 10UU	5	17	19	29	21.7	1.35	10	+8 0	750	550
12	LMES 12	LMES 12UU	5	23	22	32	22.7	1.35	12		1230	1100
16	LMES 16	LMES 16UU	5	28	26	36	24.7	1.35	16	+9 1	1550	1250
20	LMES 20	LMES 20UU	6	61	32	45	31.3	1.65	20		2580	1670
25	LMES 25	LMES 25UU	6	122	40	58	43.8	1.90	25	+11 1	3800	2750
30	LMES 30	LMES 30UU	6	185	47	68	51.8	1.90	30		4710	2800
40	LMES 40	LMES 40UU	6	360	62	80	60.4	2.20	40	+13 2	6500	5720
50	LMES 50	LMES 50UU	6	580	75	100	77.4	2.70	50		11460	7940

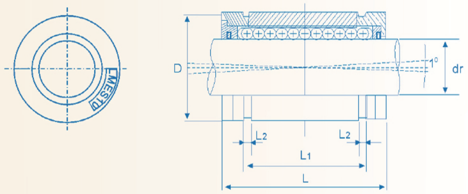
[1] Based on nominal housing bore

Shaft Dia. (mm)	Open Type				Dimensions (mm)								Basic Load Ratings	
	Part number		No.of Ball circuit	Wgt. (g)	D[1]	L ±0.2	L2	h	θ (°)	F	G	J	Dynamic C (N)	Static Co (N)
	w/o seal	with seal												
12	LMES 12OP	LMES 12UUOP	4	18	22	32	1.35	6.5	66	3.0	—	0.7	1290	1260
16	LMES 16OP	LMES 16UUOP	4	22	26	36	1.35	9	68		—	0.7	1640	1320
20	LMES 20OP	LMES 20UUOP	5	51	32	45	1.65	9	55		—	0.9	2630	1720
25	LMES 25OP	LMES 25UUOP	5	102	40	58	1.90	11.5	57		1.5	1.4	3910	2850
30	LMES 30OP	LMES 30UUOP	5	155	47	68	1.90	14	57		2.0	2.2	4850	2900
40	LMES 40OP	LMES 40UUOP	5	300	62	80	2.20	19.5	56		1.5	2.7	6700	5900
50	LMES 50OP	LMES 50UUOP	5	480	75	100	2.70	22.5	54		2.5	2.3	11700	8100

1N≒0.102kgf

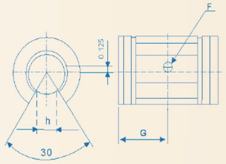
LMBS Series



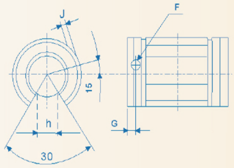


Shaft Dia. (inch)	Standard Type				Dimensions (inch)						Basic Load Ratings	
	Part number		No.of Ball circuit	Wgt. (lbf)	Working Bore Diameter		$D^{1)}$	L	L_1	L_2 min	Dynamic C (lbf)	Static Co (lbf)
	w/o seal	with seal			dr	Tol.						
1 / 4	LMBS 4	LMBS 4UU	4	0.01	0.2500	0 -0.0005	0.5000	0.750/0.735	0.511/0.501	0.039	57	49
3 / 8	LMBS 6	LMBS 6UU	4	0.02	0.3750		0.6250	0.875/0.860	0.699/0.689	0.039	78	66
1 / 2	LMBS 8	LMBS 8UU	4	0.05	0.5000		0.8750	1.250/1.230	1.032/1.012	0.050	190	190
5 / 8	LMBS 10	LMBS 10UU	5	0.08	0.6250		1.1250	1.500/1.480	1.105/1.095	0.056	290	340
3 / 4	LMBS 12	LMBS 12UU	6	0.14	0.7500		1.2500	1.625/1.605	1.270/1.250	0.056	500	430
1	LMBS 16	LMBS 16UU	6	0.29	1.0000		1.5625	2.250/2.230	1.884/1.864	0.070	820	780
1-1 / 4	LMBS 20	LMBS 20UU	6	0.40	1.2500	0 -0.0006	2.0000	2.625/2.600	2.004/1.984	0.068	1240	1270
1-1 / 2	LMBS 24	LMBS 24UU	6	0.80	1.5000		2.3750	3.000/2.970	2.410/2.390	0.086	1510	1540
2	LMBS 32	LMBS 32UU	6	1.38	2.0000	0 -0.0008	3.0000	4.000/3.960	3.193/3.163	0.105	2230	2580

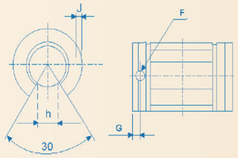
1) Based on nominal housing bore



LMBS08-OP



LMBS10-OP

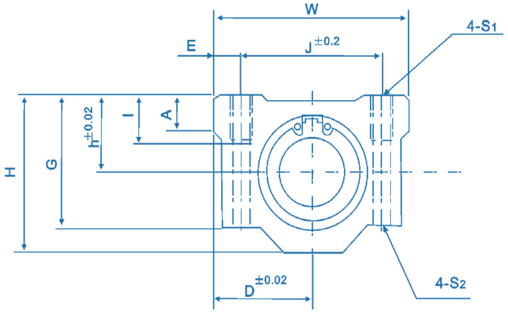


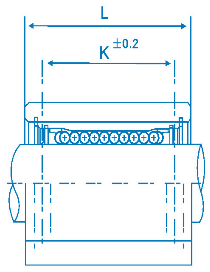
LMBS12-OP through LMBS32-OP

Shaft Dia. (inch)	Open Type				Dimensions (inch)							Basic Load Ratings	
	Part number		No.of Ball circuit	Wgt. (lbf)	$D^{1)}$	L	F	G	J	L_2 (min)	h	Dynamic C (lbf)	Static Co (lbf)
	w/o seal	with seal											
1 / 2	LMBS 8OP	LMBS 8UUOP	3	0.03	0.8750	1.250/1.230	0.14	0.63	Thru	0.050	0.32	210	190
5 / 8	LMBS 10OP	LMBS 10UUOP	4	0.06	1.1250	1.500/1.480	0.11	0.13	0.039	0.056	0.38	320	340
3 / 4	LMBS 12OP	LMBS 12UUOP	5	0.11	1.2500	1.625/1.605	0.14	0.13	0.059	0.056	0.43	510	430
1	LMBS 16OP	LMBS 16UUOP	5	0.21	1.5625	2.250/2.230	0.14	0.13	0.047	0.070	0.56	830	780
1-1 / 4	LMBS 20OP	LMBS 20UUOP	5	0.35	2.0000	2.625/2.600	0.20	0.19	0.090	0.068	0.63	1250	1270
1-1 / 2	LMBS 24OP	LMBS 24UUOP	5	0.67	2.3750	3.000/2.970	0.20	0.19	0.090	0.086	0.75	1520	1540
2	LMBS 32OP	LMBS 32UUOP	5	1.10	3.0000	4.000/3.960	0.27	0.31	Thru	0.105	1.00	2250	2580

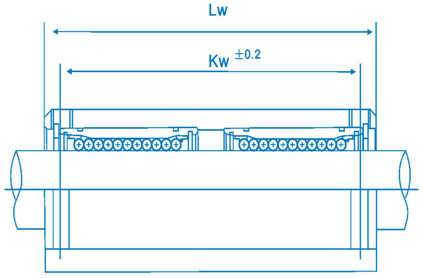
1) Based on nominal housing bore

SC Series

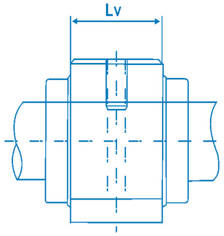




SC□N



SC□WN



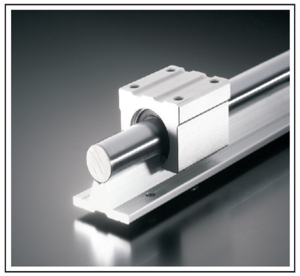
SC□VN

Standard Type					Long Type					Short Type				
Part Number	Installed L/B	Load Ratings C (N)	Load Ratings Co (N)	Wgt. (g)	Part Number	Installed L/B	Load Ratings C (N)	Load Ratings Co (N)	Wgt. (g)	Part Number	Installed L/B	Load Ratings C (N)	Load Ratings Co (N)	Wgt. (g)
SC8UUN	LM8UU	274	392	52	SC8WUUN	2×LM8UU	431	784	102	SC8VUUN	LM8UU	260	400	36
SC10UUN	LM10UU	372	549	92	SC10WUUN	2×LM10UU	588	1100	180	SC10VUUN	LM10UU	370	540	63
SC12UUN	LM12UU	510	784	102	SC12WUUN	2×LM12UU	813	1570	205	SC12VUUN	LM12UU	410	590	74
SC13UUN	LM13UU	510	784	120	SC13WUUN	2×LM13UU	813	1570	240	SC13VUUN	LM13UU	500	770	85
SC16UUN	LM16UU	774	1180	200	SC16WUUN	2×LM16UU	1230	2350	400	SC16VUUN	LM16UU	770	1170	132
SC20UUN	LM20UU	882	1370	255	SC20WUUN	2×LM20UU	1400	2740	570	SC20VUUN	LM20UU	860	1370	170
SC25UUN	LM25UU	980	1570	600	SC25WUUN	2×LM25UU	1560	3140	1200	SC25VUUN	LM25UU	980	1560	405
SC30UUN	LM30UU	1570	2740	735	SC30WUUN	2×LM30UU	2490	5490	1480	SC30VUUN	LM30UU	1560	2740	495
SC35UUN	LM35UU	1670	3140	1100	SC35WUUN	2×LM35UU	2650	6270	2200	SC35VUUN	LM35UU	1660	3130	790
SC40UUN	LM40UU	2160	4020	1590	SC40WUUN	2×LM40UU	3430	8040	3200	SC40VUUN	LM40UU	2150	4010	1220
SC50UUN	LM50UU	3820	7940	3340	SC50WUUN	2×LM50UU	6080	15900	6700	SC50VUUN	LM50UU	3820	7390	2300

1N≒0.102kgf

Shaft Dia.	Dimensions(mm) Common h	D	W	H	G	A	J	E	S1×I	S2	SC K	SC L	SC□W Kw	SC□W Lw	SC□V Lv	Part Number
ϕ8	11	17	34	22	18	6	24	5	M4×8	Φ3.4	18	30	42	58	15.4	SC8UUN
ϕ10	13	20	40	26	21	8	28	6	M5×12	Φ4.3	21	35	46	68	19.5	SC10UUN
ϕ12	15	21	42	28	24	8	30.5	5.75	M5×12	Φ4.3	26	36	50	70	20.5	SC12UUN
ϕ13	15	22	44	30	24.5	8	33	5.5	M5×12	Φ4.3	26	39	50	75	20.5	SC13UUN
ϕ16	19	25	50	38.5	32.5	9	36	7	M5×12	Φ4.3	34	44	60	85	23.5	SC16UUN
ϕ20	21	27	54	41	35	11	40	7	M6×12	Φ5.2	40	50	70	96	27.4	SC20UUN
ϕ25	26	38	76	51.5	42	12	54	11	M8×18	Φ7.0	50	67	100	130	37.4	SC25UUN
ϕ30	30	39	78	59.5	49	15	58	10	M8×18	Φ7.0	58	72	110	140	40.9	SC30UUN
ϕ35	34	45	90	68	54	18	70	10	M8×18	Φ7.0	60	80	120	155	45.4	SC35UUN
ϕ40	40	51	102	78	62	20	80	11	M10×25	Φ8.7	60	90	140	175	56.4	SC40UUN
ϕ50	52	61	122	102	80	25	100	11	M10×25	Φ8.7	80	110	160	215	68.9	SC50UUN

SBR□S Series

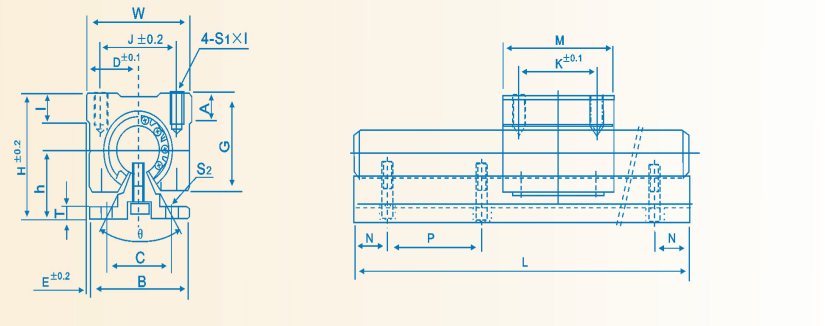


Part Number Notation

SBR□S | 2 | +1000L

- SBR Support Rail unit
- Number of Case on a single Shaft
- Support Rail Length*
- LM Shaft Diameter.

* Assembly of Support Rail and Shaft only, see the Table in SBS series for standard lengths and dimensions. Drawing should be received with the order for customer design.
**Part number for Case only.



Part Number		Shaft Dia.	Basic Load Ratings		Weight		Dimensions(mm)				
Unit	Case*		Dynamic C(N)	Static Co(N)	Case(kg)	Rail(kg/m)	D	h	H	E	θ
SBR16S	SBR16UU	φ16	770	1170	0.15	2.55	22.5	25	45	2.5	80°
SBR20S	SBR20UU	φ20	860	1370	0.20	3.50	24	27	50	1.5	60°
SBR25S	SBR25UU	φ25	980	1560	0.45	5.30	30	33	60	2.5	50°
SBR30S	SBR30UU	φ30	1560	2740	0.63	7.40	35	37	70	5	50°
SBR35S	SBR35UU	φ35	1660	3130	0.92	10.05	40	43	80	7.5	50°
SBR40S	SBR40UU	φ40	2150	4010	1.33	13.10	45	48	90	7.5	50°
SBR50S	SBR50UU	φ50	3820	7930	3.00	20.65	60	62	115	12.5	50°

Part Number	Dimensions(mm)												
	W	G	A	B	T	M	S1×l	J	K	S2	C	N*	P*
SBR16S	45	33	9	40	5	45	M5×12	32	30	φ5.5	30	20	150
SBR20S	48	39	11	45	5	50	M6×12	35	35	φ5.5	30	20	150
SBR25S	60	47	14	55	6	65	M6×12	40	40	φ6.6	35	25	200
SBR30S	70	56	15	60	7	70	M8×18	50	50	φ6.6	40	25	200
SBR35S	80	63	18	65	8	80	M8×18	55	55	φ9	45	30	200
SBR40S	90	72	20	75	9	90	M10×20	65	65	φ9	55	30	200
SBR50S	120	91	25	95	11	110	M10×20	94	80	φ11	70	35	200

*:Standard

1N≒0.102kgf

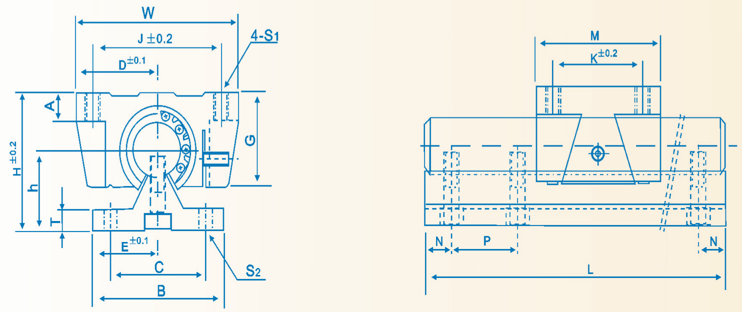
TBR□S Series

Part Number Notation

TBR□S | 2 | +1000L

- TBR Support Rail unit
- Number of Case on a single Shaft
- Support Rail Length*
- LM Shaft Diameter.

* Assembly of Support Rail and Shaft only, see the Table in TBS series for standard lengths and dimensions. Drawing should be received with the order for customer design.
**Part number for Case only.



Part Number		Shaft Dia.	Basic Load Ratings		Weight		Dimensions(mm)			
Unit	Case**		Dynamic C(N)	Static Co(N)	Case(kg)	Rail(kg/m)	D	h	H	E
TBR16S	TBR16UU	φ16	392	490	0.18	2.45	31	22.14	40	25
TBR20S	TBR20UU	φ20	784	1176	0.30	3.60	34	29.01	50	27.5
TBR25S	TBR25UU	φ25	1568	2352	0.60	5.60	41	31.97	60	32.5
TBR30S	TBR30UU	φ30	1764	2940	0.90	8.00	45.5	36.52	70	37.5

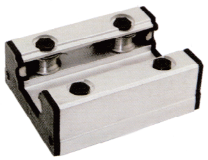
Part Number	Dimensions(mm)												
	W	G	A	B	T	M	S1	J	K	S2	C	N*	P*
TBR16S	62	26	8	50	6	42	M5	50	30	φ5.5	37	20	150
TBR20S	68	31	10	55	8	51	M6	54	37	φ5.5	40	20	150
TBR25S	82	41	12	65	10	65	M8	65	50	φ6.6	45	25	200
TBR30S	91	48	12	75	12	75	M8	75	60	φ6.6	55	25	200

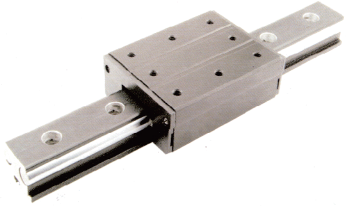
*:Standard

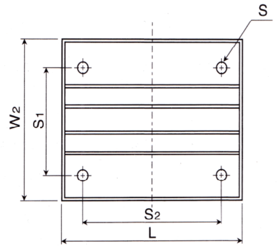
1N≒0.102kgf

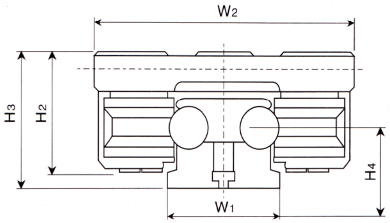
双轴芯直线导轨系列
axial core linear series

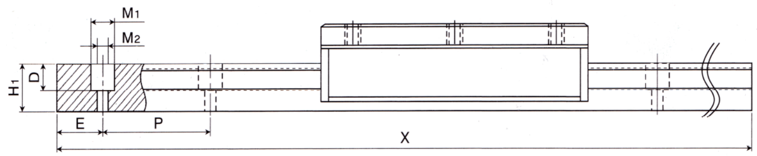
LGD

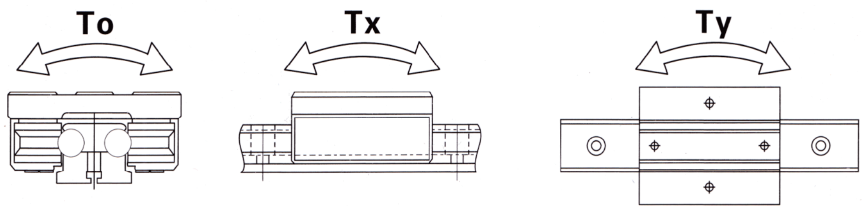












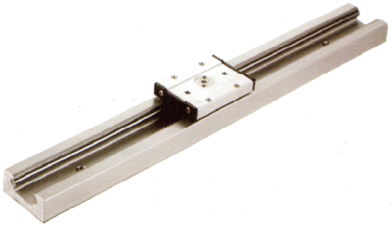
导轨型号 Type of guide	宽度 Width 1	组合高度 H3	高度 Height 1	高度 Height 4	轴径 Shaft	孔距 Pitch	端距 End	大孔 Macroporous 1	小孔 Macroporous 2	孔深 Hole depth	单支长度 Single length	对接长度 Buttle length	重量 Weight Kg-m
LGD6	26	29	18	13	Φ6	60	30	Φ 9	Φ 5	7	0-6000	Infinite	1.25
LGD8	28	30	20	14	Φ8	50	25	Φ 8.5	Φ 5.5	5.5	0-6000	Infinite	2.3
LGD12	36	39	25.5	16	Φ12	50	25	Φ 12.5	Φ 6.5	12.5	0-6000	Infinite	3.1
LGD16	49	50	32	21	Φ16	80	40	Φ 21	Φ 10.5	17	0-6000	Infinite	5.8

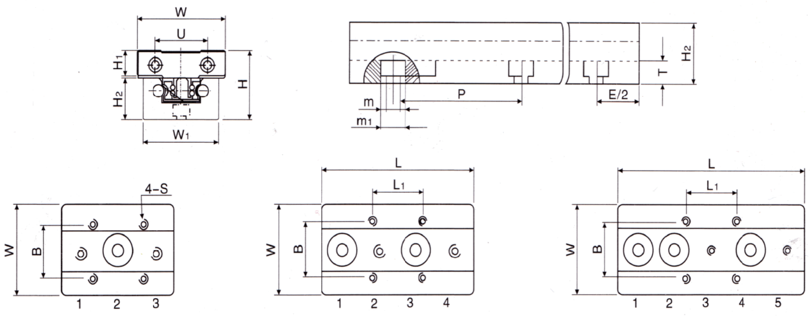
导轨型号 Type of slider	宽度 Width 2	高度 Height 2	长度 Length 2	安装孔尺寸 Mounting holes Size S1*S2	安装孔 Mounting holes
LGB6-61L-4UU	60	26	61	38*40	M5*8
LGB8-70L-4UU	60	26	70	40*50	M5*8
LGB8-100L-4UU	60	26	100	40*80	M6*10
LGB12-60L-2UU	82	36	60	54*39	M6*10
LGB12-100L-4UU	82	36	100	54*76	M6*10
LGB12-140L-6UU	82	36	140	54*115	M6*10
LGB12-160L-8UU	82	36	160	54*136	M6*10
LGB16-150L-4UU	120	46	150	90*120	M8*10
LGB16-180L-4UU	120	46	180	90*150	M8*10

基本动荷载Kgf The basic dynamic load	基本静荷载Kgf Basic static load	容许静力矩 Allowable Static Moment			重量 Weight Kg-per
		To/Kgf-m	Tx/Kgf-m	Ty/Kgf-m	
80	120	2.3	1.6	1.8	0.16
80	130	3.6	3	3.2	0.2
90	140	4.1	3.5	3.7	0.25
100	150	2.1	1.6	1.9	0.32
200	380	7.5	6	6.5	0.57
270	435	8.1	10.8	12.7	0.73
290	460	8.7	11.2	13.6	0.85
400	750	15.2	12.5	13.3	1.4
430	790	16.5	14.2	14.8	1.6

内置双轴芯导轨系列
Rectangle wheel linear rail series

SG

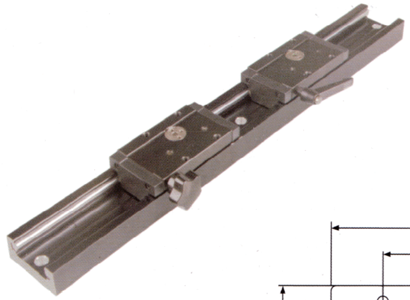


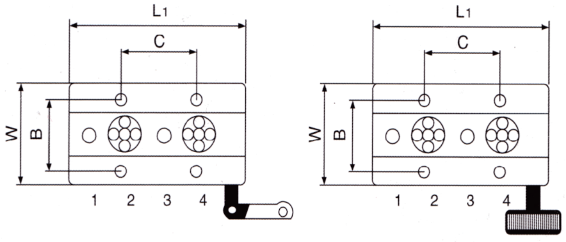


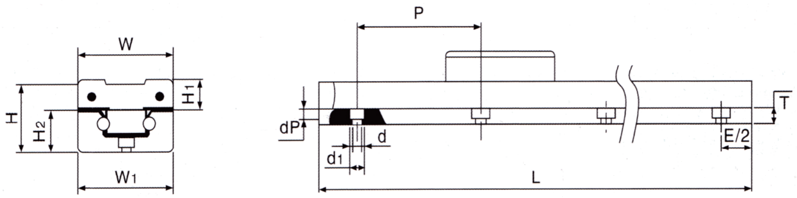
SG		全套		导轨SGR								滑座SGB														
SGR	SGB	H	W	W_1	H_2	dp	P	轴(直径)	导轨重量 guide weight	T	m_1	m	W	H_1	L	B	L_1	S	滑轮数量	偏心轮位置	基本动力安全负荷(N) Yo	Zo	动力距(N.m) Mxo	Myo	Mzo	滑块重量 kg-per
10	-3	29	28	32	17	6	60	6	1.106	8	8	4.5	28	11	88	26	26	M4	3	2	320	300	6.4	6.8	7.1	0.110
	-3														60				3	2	490	460	10.2	9.2	9.8	0.110
15N	-4	32	38	38	18.5	6	120	6	1.11	8	8	4.5	44	12	80	26	26	M5	4	1,3	700	660	14.5	13.2	14	0.145
	-5														100				5	1,1,4	980	920	20.3	37	39	0.185
	-3														60				3	2	490	460	13.8	7.4	7.8	0.105
15	-4	32	46	46	18.5	6	120	6	2.01	8	8	4.5	46	12	80	32	36	M5	4	1,3	700	660	19.8	21.1	22.4	0.140
	-5														100				5	1,1,4	980	920	27.7	44.3	47	0.170
	-3														81				3	2	700	980	29.4	25.4	18.2	0.195
20N	-4	36	47	47	22.5	6	120	8	2.32	9	9.5	5.5	47	12	108	38	30	M6	4	1,3	1000	1400	42	72.8	52	0.265
	-5														135				5	1,1,4	1400	1960	84.2	129	92.4	0.350
	-3														81				3	2	700	980	42.1	21.5	15.4	0.210
20	-4	36	60	60	22.5	6	120	8	3.31	9	9.5	5.5	60	12	108	50	40	M6	4	1,3	1000	1400	60.2	61.6	44	0.280
	-5														135				5	1,1,4	1400	1960	84.2	129	92.4	0.350
	-3														100				3	2	1260	1470	67.62	48.51	41.58	0.460
25	-4	44	69	69	26	7	120	10	4.28	10	11	6.5	70	16.3	133	57	45	M8	4	1,3	1800	2100	96.6	138.6	118.8	0.615
	-5														166				5	1,1,4	2520	2940	135.0	291.06	249.48	0.775
	-3														140				3	2	2800	2800	159.6	126	128	1.1
35	-4	55	100	90	35	8.5	160	12	6.9	12	14	8.5	100	18	185	82	62	M10	4	1,3	4000	4000	228	360	360	1.45
	-5														230				5	1,1,4	5600	5600	319.2	758	756	1.835

黑色SGR锁紧系列
Black SGR lock series

SGR







SG		全套		导轨SGR											滑块SGB											
SGR	SGB	H	W	W_1	H2	dp	P	轴(直径)	重量(k/m)	T	d	d_1	L_1	Lmax	B	C	H_1	S	滑轮数量	偏心轮位置	基本动力安全负荷N Yo	Zo	动力距(N.m)			重量(gf/m)
10	-4	23	28	28	14	3.3	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	44	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	86	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	M6	4	2.4	18.0	21.0	96.6	139	119	5009