



EMD KM SERIES GUIDEWAY CATALOG

Linear Recirculating Ball Bearing & Guideway





EMD LINEAR MOTION SYSTEMS integrates product development, production, sales, and application services. It specializes in the production of ball screws, linear guides, sliders, linear modules, linear shaft, and a series of high-precision, high Technology linear motion products. Many of the products have won national patents and have reached a number of international testing and certification standards.

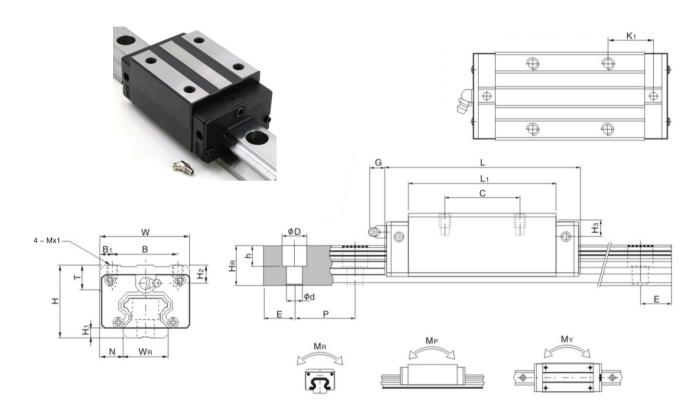
The company It covers an area of more than 26,000 square meters and has more than 200 employees, including more than 50 senior technicians. We adopts superb technology, sets strict corporate standards, and provides meticulous service! And a complete product quality control system has been established, equipped with high-end inspection and testing equipment such as metallographic microscopes and contour measuring instruments. From raw materials to production, processing, and inspection packaging, every step is strictly controlled to ensure product quality!

Our products are widely used in medical machinery, printing machinery, chemical machinery, woodworking machinery, machine tools, robots and other automated machinery and equipment. The company's production technology level, product quality and service level have always been in the leading position in the same industry! Customers all over the world, and have won unanimous recognition and praise from customers!

Our company adheres to the concept of "high-quality products and efficient service", and takes the creation of customer value as its own responsibility. We are looks forward to cooperating with you to create a brilliant future!



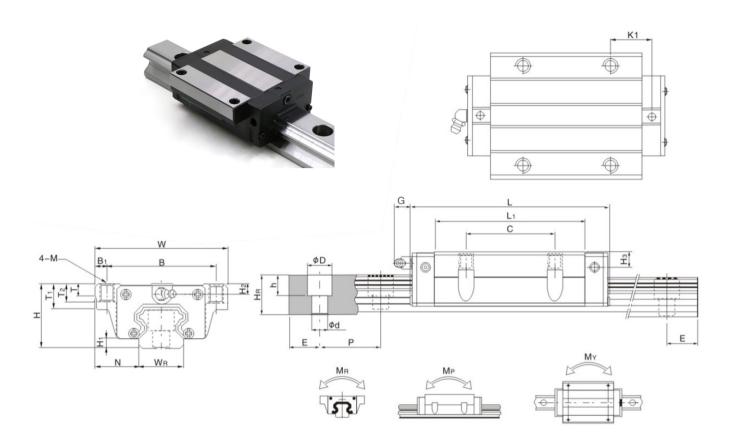
Dimensions of KM B-H / KM B-HL Series Linear Guideway (High Load Square Type)



Model No.		of Of sembly						Dime	nsions (of BI	ock (mm)					Di	mensio	ons of	Rail (mm)		Mounting Bolt for rail	Basic Dynamic Load Rating	Basic Staic Load Rating		Static Rated Moment		Wei	ght
110.	Н	Hı	N	W	В	B1	С	Lı	L	K 1	G	Mx1	T	H ₂	Нз	WR	Hr	D	h	d	Р	Е	(mm)	C (KN)	Co (KN)	MR	MP	MY	Block	Rail
																										kN-m	kN-m	kN-m	kg	kg/m
KM15B-H	28	4. 3	9.5	34	26	4	26	39. 4	61.4	10	5. 3	M4x5	6	8	7.7	15	15	7.5	5.3	4. 5	60	20	M4x16	11. 38	25. 31	0.17	0.15	0.15	0.18	1.45
KM20B-H	30	4.6	12	44	32	6	36	50.5	77.5	12	12	M5x6	8	6	7	20	18	9.5	8.5	6	60	20	M5x16	17. 75	37. 84	0.38	0. 27	0. 27	0.3	2. 21
KM20B-HL	30	4. 0	12	44	32	0	50	65. 2	92. 2	13	12	MJXU	0	0	, ,	20	10	7. 3	0. 3	0	00	20	MOXIO	21. 18	48. 84	0.48	0.47	0.47	0.39	2. 21
KM25B-H	40		40	48	٥٢	, ,	35	58	84	17	40	W/ 0	٠	40	40	22	22	44	0	7	/0	20	H/ 20	26. 48	56. 19	0.64	0.51	0. 51	0.51	2.24
KM25B-HL	40	5.5	13	48	35	6.5	50	78. 6	104. 6	20	12	M6x8	8	10	13	23	22	11	9	7	60	20	M6x20	32. 75	76	0.87	0.88	0.88	0.69	3. 21
КМ30В-Н		,		/0			40	70	97. 4	20	40	110 40		۸.		00	٥,		40	•	20	20	110.05	38. 74	83. 06	1.06	0.85	0.85	0.88	
KM30B-HL	45	6	16	60	40	10	60	93	120.4	22	12	M8x10	8.5	9.5	14	28	26	14	12	9	80	20	M8x25	47. 27	110.13	1.4	1.47	1.47	1.16	4. 47
КМ35В-Н							50	80	112.4	21		110 10								•				49. 52	102.87	1. 73	1. 2	1. 2	1.45	
KM35B-HL	55	7.5	18	70	50	10	72	106	1382	23	12	M8x12	10	16	20	34	29	14	12	9	80	20	M8x25	60. 21	136. 31	2. 29	2. 08	2. 08	1. 92	6.3 10.41
KM45B-H		٠.		٥,,	,,		60	97	139.4	23			.,					•			405			77. 57	155. 93	3. 01	2. 35	2. 35	2. 73	
KM45B-HL	70	9.5	21	86	60	13	80	1288	171. 2	29	13	M10x17	16	19	31	45	38	20	17	14	105	23	M12x35	94. 54	207. 12	4	4. 07	4. 07	3. 61	10. 41
КМ55В-Н		40	0.1	400	7.		75	118	166.7	27	40	1110 12							20		400			114. 44	227. 81	5. 66	4. 06	4. 06	4. 17	45.00
KM55B-HL	80	13 24	24	100	75	13	95	156	204 8	36	13	M12x18	18	22	29	53	44	23	20	16	120	30	M14x45	139.35	301. 26	7. 49	7. 01	7. 01	5. 49	15. 08
KM65B-H							70	144	200. 2	43														163. 63	324. 71	10.02	6. 44	6. 44	7	
KM65B-HL	90	15	32	126	76	25	120	204	259. 6	48	13	M16x20	25	15	15	63	53	26	22	18	150	35	M16x50	208.36	457.15	14.15	11.1	11.1	9.82	21. 18



Dimensions of KM B / KM B-L Series Linear Guideway (High Load Flange Type)

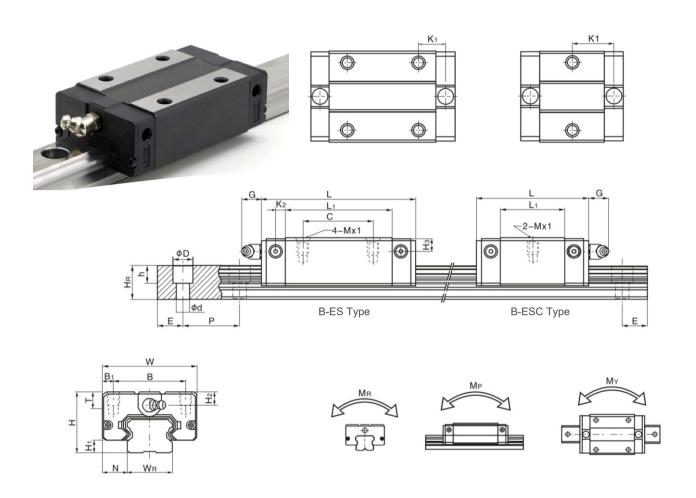


Model No.		imensi Of sembly							Dime	nsions o	of Bloc	k (mm)							Di	mensic	ons of	Rail	(mm)		Mounting Bolt For rail	Basic Dynamic Load Rating	Basic Staic Load Rating		Static Rated Moment		Wei	ght
	Н	Hı	N	W	В	B1	С	Lı	L	K 1	G	М	Ţ	T ₁	T ₂	H ₂	Нз	Wr	Hr	D	h	d	Р	Е	(mm)	C (KN)	Co (KN)	Mr	Mp	My	Block	Rail
																												kN - m	kN - m	kN-m	kg	kg/m
KM15B	24	4.3	16	47	38	4.5	30	39.4	61.4	8	5.3	M5	6	8.9	6. 95	3.95	3.7	15	15	7.5	5.3	4.5	60	20	M4x16	11.38	25. 31	0.17	0.15	0.15	0.17	1.45
KM20B	30	4.6	21.5	63	53	5	40	50.5	77.5	10. 25	12	M6	8	10	9.5	6	7	20	17. 5	9.5	8.5	6	60	20	M5x16	17. 75	37. 84	0.38	0.27	0. 27	0.4	2. 21
KM20B-L	30		J	40	65. 2	92.2	17.6	12	MO	0	10	7.0	U	'	20	17.3	7. 0	0. 3	0	00	20	MOXIO	21.18	48. 84	0.48	0.47	0.47	0.52	2. 21			
KM25B	36 5.5 23.5	22 [70	57	6.5	45	58	84	11.8	12	M8	8	14	10	ı	Q	22	22	11	9	7	60	20	M6x20	26. 78	56. 19	0.64	0.51	0.51	0.59	3, 21	
KM25B-L	30	36 5.5 23.5	23.3	70	3/	0.0	40	70.6	104.6	22. 1	12	MO	0	14	10	6	9	23	LL	П	9	<i>'</i>	00	20	MOXZU	32. 75	76	0.87	0.88	0.88	0.8	3. 21
KM30B	42	,	24	00	70	9	52	70	97.4	14. 25	12	M10	0.5	4/	10	1.5	40.0	20	1/	1.1	40	9	00	20	M8x25	38. 74	83.06	1.06	0.85	0.85	1.09	4 47
KM30B-L	42	6	31	90	72	9	32	93	120.4	25. 75	12	MIU	8.5	16	10	6.5	10.8	28	26	14	12	9	80	20	MOXZO	47. 27	110.13	1.4	1.47	1.47	1.44	4. 47
KM35B	40	7.5	20	100	00	0	/1	80	112.4	14. 6	40	шал	40.4	40	40	٥	40 /	24	20	4.4	40	٥	00	20	NO OF	49. 52	102.87	1.73	1.2	1.2	1.56	/ 2
KM35B-L	48	7.5	33	100	82	9	62	105.8	138. 2	27. 5	12	M10	10.1	18	13	9	12. 6	34	29	14	12	9	80	20	M8x25	60. 21	136.31	2. 29	2.08	2.08	2.06	6.3
KM45B	//	۸.	07.5	400	400	40	00	97	139.4	13	40.0	1110	45.4	20	45	0.5	00.5		00	00	47		405	20.5	HAOVOE	77.57	155.93	3.01	2. 35	2. 35	2.79	40.44
KM45B-L	60	9.5	37.5	120	100	10	80	128.8	171.2	28. 9	12.9	M12	15.1	22	15	8.5	20.5	45	38	20	17	14	105	22.5	M12X35	94. 547	207.12	4	4.07	4.07	3. 69	10.41
KM55B	70	70 40 4	10.5	440	447	40	٥٢	117.7	166.7	17. 35	40.0	114.4	47.5	0/ 5	47	40	40			00	20	.,	400	20	W14.45	114.44	227.81	5. 66	4.06	4.06	4. 52	45.00
KM55B-L	/0	70 13 43	43.5	140	116	12	95	158.8	204. 8	36. 4	12.9	M14	17.5	26.5	17	12	19	53	44	23	20	16	120	30	M14x45	139.35	301.26	7.49	7. 01	7. 01	5.96	15.08
KM65B	00	15 53.5	50.5	470			440	144. 2	200. 2	23. 1	40.0	1147	٥٢	07.5	00	45	45	٠,		٥,	20	40	450	05	W/ 50	163.63	324. 71	10.02	6. 44	6. 44	9.17	04.40
KM65B-L	90		53.5	170	142	14	110	203.6	259.6	52.8	12.9	M16	25	37.5	23	15	15	63	53	26	22	18	150	35	M16x50	208. 36	457.15	14. 15	11.12	11.12	12.89	21.18

Note: 1kgf=9.81 N



Dimensions of KM B-ES / KM B-ESC Series Linear Guideway (Low Profile Square Type)

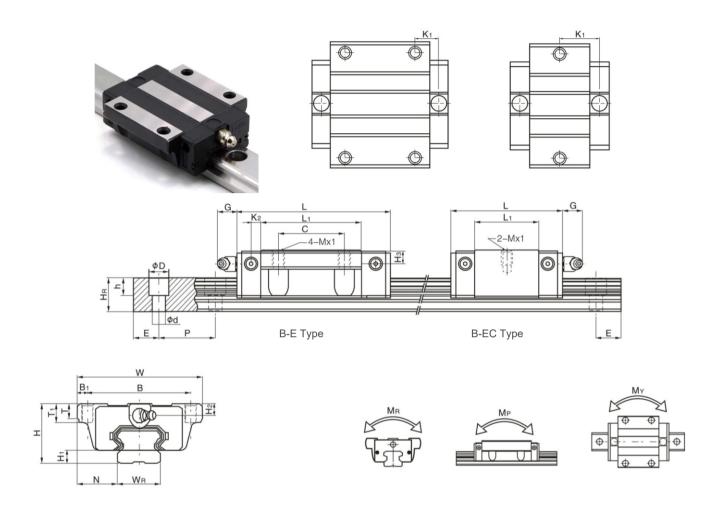


Model No.		imensi Of sembly							Dimens	ions of	Block (r	nm)						Dime	ension	s of F	Rail(m	n)		Mounting Bolt For rail	Basic Dynamic Load Rating	Basic Staic Load Rating		Static Rated Moment		Wei	ght
	Н	Hı	N	W	В	Bı	С	Lı	1	K 1	K 2	G	Mx1	т	H ₂	Нз	Wr	Hr	D	h	d	Р	Е	(mm)	C (kN)	Co (kN)	Mr	Mp	My	Block	Rail
	П	m	IN	W	D	DI	U	LI	L	N1	N2	u	MX1		Π2	ПЗ	WK	ПК	ט	n	a	۲		(mm)	U (KN)	GO (KIN)	kN-m	kN-m	kN−m	kg	kg/m
KM15B-ESC	24	4.5	9.5	34	26	4	-	23. 1	40.1	14.8	3.5	5.7	M4x6	6	5. 5	6	15	12.5	6	4. 5	4.5	60	20	M3x16	5. 35	9.4	0.08	0.04	0.04	0.09	1. 25
KM15B-ES	24	4.3	7. 3	34		4	26	39.8	56.8	10. 15	3. 3	J. 1	M4XU	0	J. J	0	13	12. 3	0	4. J	4. J	00	20	MOXIO	7. 83	16. 19	0.13	0.1	0.1	0.15	1. 23
KM20B-ESC	28	6	11	42	32	5	1	29	50	18. 75	4. 15	12	M5x7	7.5	6	6	20	15. 5	9.5	8.5	6	60	20	M5x16	7. 23	12. 74	0.13	1.06	1.06	0.15	2.08
KM20B-ES	20	0	11	42	32	5	32	48. 1	69.1	12. 3	4. 13	12	MOX /	1.0	0	0	20	15.5	9.0	0.0	0	0	20	MOXIO	10. 31	21.13	0. 22	0.16	0.16	0. 24	2. 00
KM25B-ESC	33	7	12. 5	48	3 35	6.5		35. 5	59.1	21.9	4. 55	12	M6x9	8	8	8	23	18	11	9	7	60	20	M6x20	11.4	19.5	0. 23	0.12	0.12	0. 25	2. 67
KM25B-ES	JJ	1	12. 3	40	3	0.5	35	59	82. 6	16. 15	4.3	12	MUX7	0	0	٥	23	10	11	1	1	00	20	MUXZU	16. 27	32. 4	0. 38	0. 32	0. 32	0. 41	2.07
KM30B-ESC	42	10	16	60	40	10	-	41.5	69.5	26. 75	6	12	M8x12	9	8	9	28	23	11	9	7	80	20	M6x25	16. 42	28. 1	0.4	0. 21	0. 21	0.45	4. 35
KM30B-ES	42	10	10	UU	40	10	40	70.1	98. 1	21. 05	0	12	MOXIZ	7	0	7	20	23	11	7	/	00	20	MOX23	23. 7	47. 46	0.68	0.55	0. 55	0.76	4. 33

Note: 1kgf=9.81 N



Dimensions of KM B-E / KM B-EC Series Linear Guideway (Low Profile Flange Type)

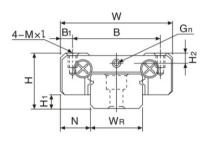


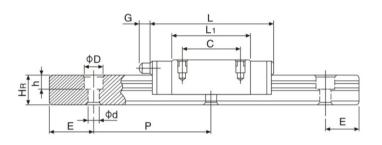
Model No.		imensi of sembly						[)imensi	ons of B	lock (mr	n)						Dime	ension	s of F	ail(m	m)		Mounting Bolt For rail	Basic Dynamic Load Rating	Basic Staic Load Rating		Static Rated Moment		Wei	ght
		п.	N	ш		n	٨	1.		V.	ν.	۸	ш.	_	11.	п.		11.				n	-	/)	0/(11)	0 (111)	Mr	Mp	My	Block	Rail
	Н	Hı	N	W	В	B ₁	C	L1	L	K ₁	K 2	G	Mx1	Ī	H ₂	Нз	WR	HR	D	h	d	Р	Е	(mm)	C (kN)	Co (kN)	kN-m	kN-m	kN-m	kg	kg/m
KM15B-EC	24	1 5	18. 5	£2	44		-	23. 1	40.1	14.8	3.5	5.7	M5	5	5.5	,	15	10 5	L	4.5	4.5	60	20	M3x16	5. 35	9.4	0.08	0.04	0.04	0.12	1, 25
KM15B-E	24	4.5	10. 0	52	41	5. 5	26	39.8	56.8	10.15	3. 0	J. /	MO)	0.0	6	10	12.5	6	4.3	4. 0	00	20	MJX10	7.83	16. 19	0.13	0.1	0.1	0. 21	1. 23
KM20B-EC	28	6	19.5	59	49	5	-	29	50	18. 75	4. 15	12	M6	7	6	6	20	15. 5	9.5	8.5	6	60	20	M5x16	7. 23	12. 74	0.13	1.06	1.06	0.19	2.08
КМ20В-Е	20	0	19. 0	39	49)	32	48. 1	69.1	12. 3	4. 10	12	MO	'	0	0	20	10. 0	9.0	0.0	0	00	20	MUXIO	10. 31	21. 13	0. 22	0.16	0.16	0. 32	2.00
KM25B-EC	33	7	25	72	60	6.5	-	35. 5	59.1	21.9	4. 55	12	M8	7.5	8	8	23	18	11	9	7	60	20	M6x20	11.4	19.5	0. 23	0.12	0.12	0. 35	2. 67
KM25B-E	JJ	1	20	73	S	0. 3	35	59	82. 6	16. 15	4. 53	12	MO	1.0	0	0	۷۵	10	-	7	,	00	20	MUXZU	16. 27	32. 4	0. 38	0. 32	0. 32	0.59	2.0/
KM30B-EC	42	10	31	90	72	9	-	41.5	69.5	26. 75	6	12	M10	7	8	9	28	23	11	9	7	80	20	M6x25	16. 42	28. 1	0.4	0. 21	0. 21	0. 62	4. 35
КМ30В-Е	42	10	JΙ	70	12	7	40	70.1	98.1	21. 05	0	12	MIU	1	0	7	40	23		7	1	OU	20	mux23	23. 7	47. 46	0.68	0.55	0.55	1.04	4. 33

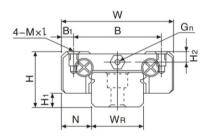


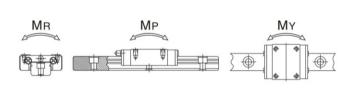
Dimensions of Miniature KM M / KM M-L Series Linear Guideway









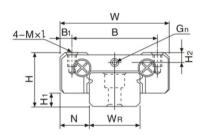


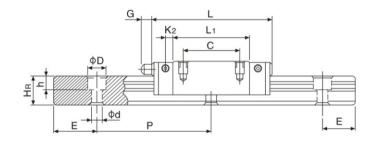
Model No.		imensi of sembly							imensio Of Block(n								mensio of ail(mn				Mounting Bolt for rail	Basic Dynamic Load Rating	Basic Staic Load Rating		Static Rated Moment		Weig	ght
	Н	H ₁	N	W	В	B ₁	С	1.		G	Gn	MX ₁	H ₂	WR	Hr	D	L		Р	г	(mm)	C (kN)	Co (kN)	Mr	Mp	My	Block	Rail
	П	П	IN	W	5 5.	U	L1	L	פ	un	MA1	П2	WR	ПК	ע	n	d	۲	Е	(mm)	G (KN)	GO (KN)	N-m	N−m	N - m	kg	kg/m	
KM5M	6	1.5	3.5	12	8	2	-	9.6	16	-	Ф0.8	M2X1.5	1	5	3.6	3.6	0.8	2.4	15	5	M2X6	0.54	0.84	2	1.3	1.3	0.008	0.15
KM7M	8	1.5	5	17		25	8	13.5	22. 5		Ф12	M2X2. 5	1.5	7	4. 8	4.8	2.3	2. 4	15	5	M2X6	0. 98	1. 24	4.7	2. 84	2. 84	0. 01	0. 22
KM7M-L	0	1.0	5	17	11	20	13	21.8	30.8	1	Ψ1Ζ	MZAZ. J	1.5	′	4. 0	4.0	2. 3	2.4	2	0	MZAO	1. 37	1.96	7. 64	4. 8	4.8	0.015	0. 22
КМ9М	10	2	5. 5	20	15	2.5	10	18. 9	28. 9	1	Ф1.4	M3X3	1.8	9	6.5	6	3.5	3.5	20	7.5	M3X8	1.86	2. 55	11. 76	7. 35	7. 35	0.016	0.38
KM9M-L	10		0.0	20	10	2. 0	16	29. 9	39. 9		Ψ1.4	MOVO	1.0	9	0. 0	0	3.0	3. 3	20	7.5	MOVO	2. 55	4. 02	19.6	18. 62	18. 62	0.026	0.30
KM12M	13	3	7.5	27	20	3. 5	15	21.7	34. 7		Ф2	M3X3. 5	2.5	12	8	6	4.5	3.5	25	10	M3X8	2. 84	3. 92	25. 48	13. 72	13. 72	0.034	0. 65
KM12M-L	13	٥	1.3	21	20	3. 0	20	32. 4	45. 4	_	ΨΖ	MONO. D	2. 3	12	0	0	4.0	3. 3	20	10	MOVO	3. 72	5. 88	38. 22	36. 26	36. 26	0.054	0.00
KM15M	16	4	8.5	32	25	3. 5	20	26. 7	42.1	4.5	M3	M3X4	3	15	10	4	4.5	3.5	40	15	M3X10	4. 61	5. 59	45. 08	21.56	21. 56	0.059	1.06
KM15M-L	10	4	0. 3	JZ	25 3.	3. 3	25	43. 4	58.8	4. 0	MO	m3A4	J	ıΰ	10	6	4. 0	J. J	40	10	MOVIO	6. 37	9. 11	73. 5	57. 82	57. 82	0.092	1.00

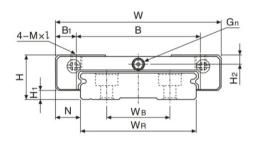


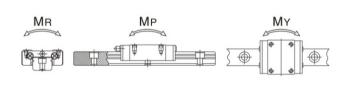
Dimensions of Wide Miniature KM W / KM W-L Series Linear Guideway





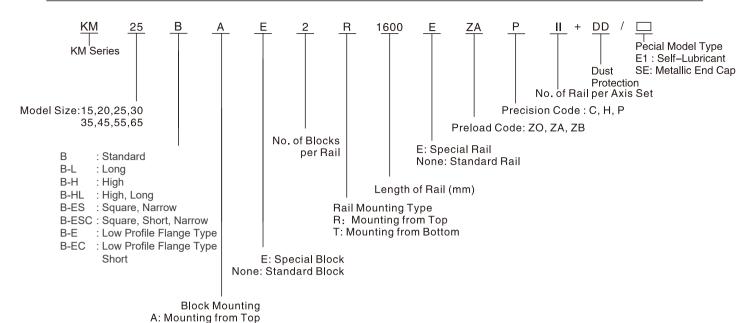


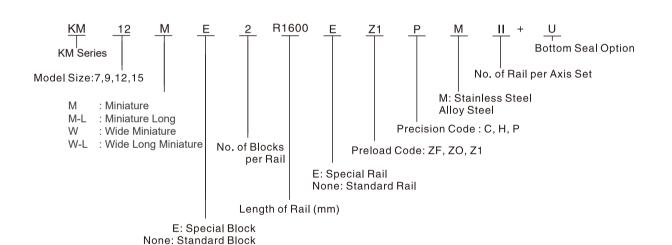




Model No.		mensio Of embly(Dimens	ons of	Block	(mm)					Dimen	sions	of Ra	il (mm)			Mounting Bolt For rail	Basic Dynamic Load Rating	Basic Staic Load Rating	Static	Rated M	oment	Weig	şht
	Н	Hı	N	W	В	Bı	C	L		G	Gn	MX ₁	H ₂	WR	WB	Hr	n	h	d	Р	Е	(mm)	C (kN)	Co (kN)	Mr	Mp	My	Block	Rail
	П	П	N	W	D	Dì	U	Lī	L	9	un	MAT	П2	IIK	IIB	ПК	ע	n	9	r		(mm)	U (KIN)	GO (KIV)	N-m	N-m	N-m	kg	kg/m
KM5W	6.5	1.5	3.5	17	13	2	-	14.1	20. 5	- Φ0.8 M25X15 1		1	10	_	_	5.5	1.6	3	20	5	M2. 5X7	0. 68	1, 18	5.5	21	2.7	0. 016	0.34	
KM5W-L	0.0	1. 0	5	17	-	8.5	6.5	14. 1	20.0		- I Φ0 8 	M3-THRU		10			0.0	1.0	,	20	,	MZ. JA7	0.00	1.10	3.3	21	2. 1	0.010	0.04
KM7W	0	1.9	5. 5	25	19	3	10	21	31. 2		Φ1.2	M3X3	1. 85	14	_	5. 2	6	3. 2	3.5	30	10	M3X6	1.37	2.06	15. 7	7.14	7. 14	0.02	0. 51
KM7W-L	7	1.7	J. J	23	17	J	19	30.8	41	-	Ψ1.2	MOVO	1.00	14		J. Z	٥	J. Z	J. J	30	10	MOVO	1. 77	3.14	23. 45	15. 53	15. 53	0.029	0.31
KM9W	12	2.9	4	30	21	4.5	12	27. 5	39. 3		Ф1.4	M3X3	2.4	18	_	7	6	4.5	3.5	30	10	M3X8	2. 75	4. 12	40. 12	18. 96	18. 96	0.04	0. 91
KM9W-L	12	2.7	6	30	23	3.5	24	38. 5	50.7	-	Ψ1.4	MOVO	2.4	10	_	<i>'</i>	0	4. J	3. 3	30	10	MOVO	3. 43	5. 89	54. 54	34	34	0.057	0.71
KM12W	1.1	2.4	8	40	28	,	15	31.3	46. 1		Φ2	M3X3. 6	2.8	24	_	8.5	8	4.5	4. 5	40	15	M4X8	3. 92	5. 59	70. 34	27. 8	27. 8	0. 071	1. 49
KM12W-L	14	3.4	0	40	20	6	28	45. 6	60.4	_	ΨΖ	M3A3. 0	2.0	24	_	0.0	٥	4. 0	4. 0	40	10	III4λδ	5.1	8. 24	103.7	57. 37	57. 37	0. 103	1.49
KM15W	16	3.4	9	60	45	7.5	5 30 38	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
KM15W-L	10	J. 4	7	00	40	1.3	35	57	73.8	J. Z	m3	M4A4. Z	J. Z	42	23	7.0	0	4. 0	4. 0	40	10	MI4A I U	8. 93	13. 38	299. 01	122.6	122.6	0. 215	2.00







Note: 1. The roman numerals are used to express the number of matched rails used in one axis. When a single rail is used in an axis, no symbol is indicated.

2. No symbol indicateds standard protection (end seals and bottom seal).

ZZ: End seals, bottom seal and scraper KK: Double seals, bottoms seal and scraper

B: Mounting from Bottom C: Mounting from Top or Bottom

DD: Double seals and bottoms seal

U: The bottom seal is available for KM-M&KM-W 12, 15.