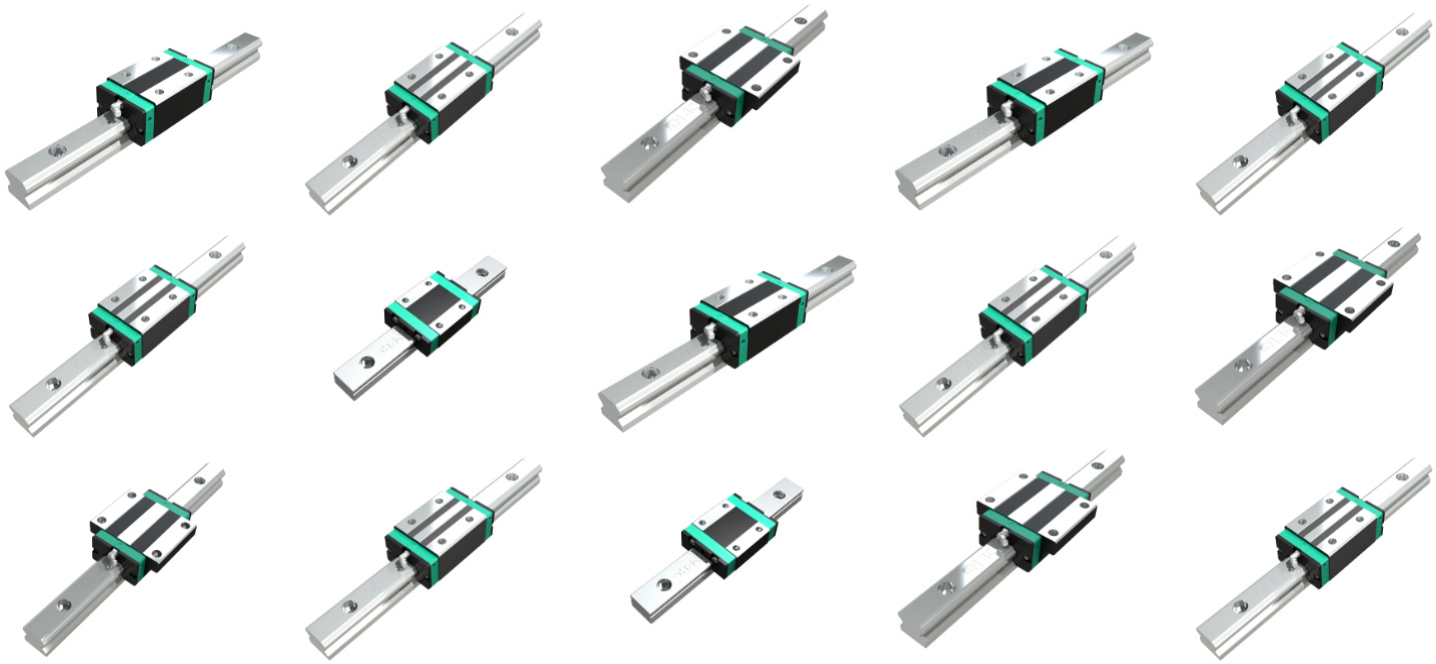
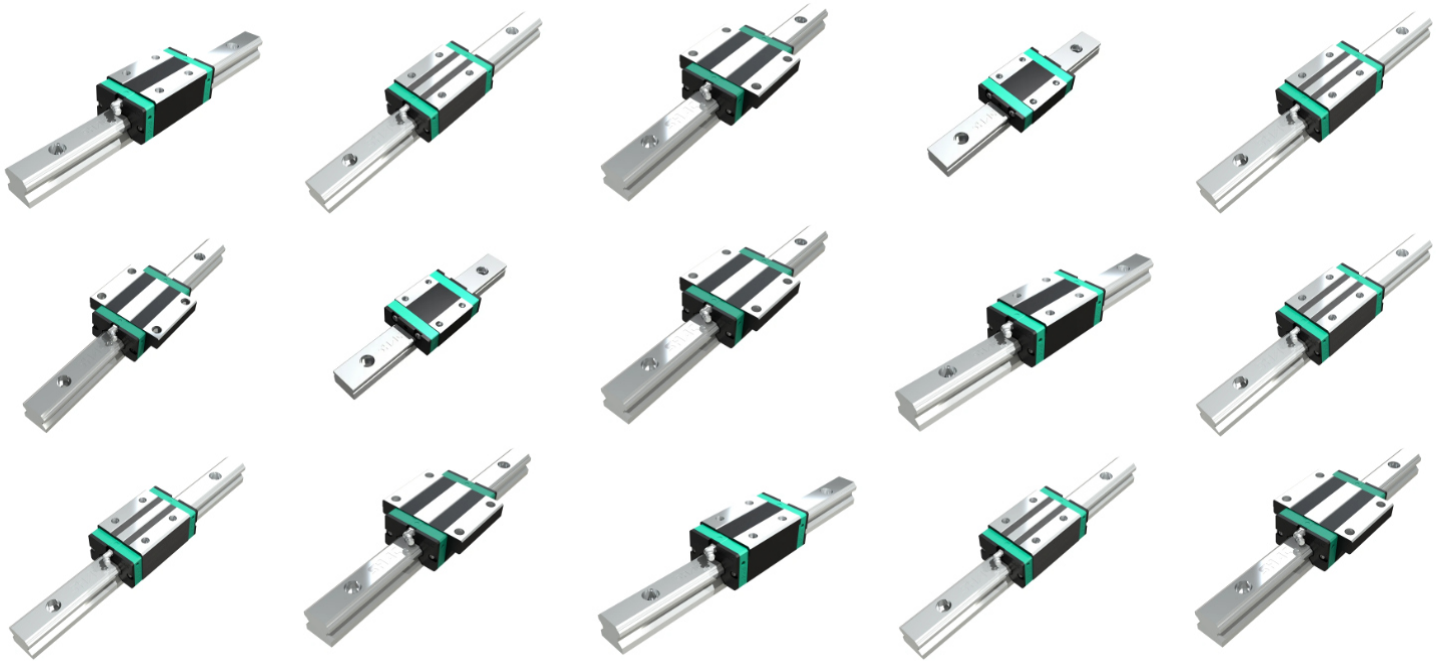


SHAC | Guide Rails



L SYSTEM × SHAC®

www.l-system.se

#wearelsystem

L-SYSTEM AB

Mörsaregatan 20

254 66 Helsingborg

SWEDEN

info@l-system.se

+46 (0)42 38 61 50

Visit: l-system.se

©L-SYSTEM AB 2026 (l-system_shac_guiderails_1.0a.pdf).

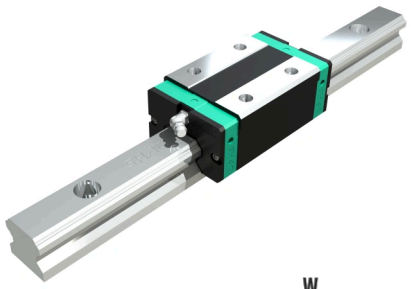
All other trademarks and images are the property of their respective owners and are used with their permission. L-SYSTEM accepts no liability for any errors, including typographical errors, or omissions in this catalog. L-SYSTEM reserves the right to modify its contents without prior notice.

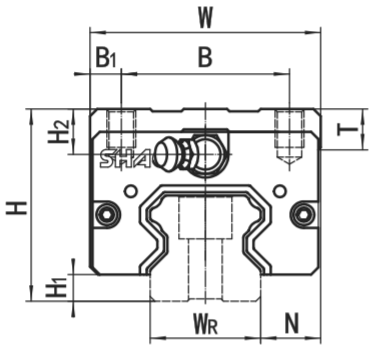


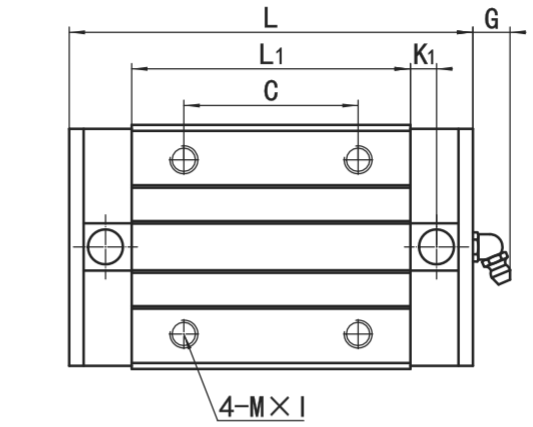
INDEX	*Page*
GH Series - Heavy Duty Ball Linear Guide The H Series linear guideway combines self-aligning capability, high accuracy, and smooth operation, making installation easy even when minor mounting errors occur. Interchangeable blocks and rails simplify maintenance, while the four-row design provides high rigidity and load capacity in all directions.	4
GHH-CA (Normal) / GHH-HA (Long)	4
GHL-CA (Normal) / GHL-HA (Long)	6
GHW-CC (Normal Wide) / GHW-HC (Long Wide)	8
GHR-T	10
GM Series - Miniature Ball Linear Guides Compact and lightweight linear guideway featuring a resin slider body that reduces weight by approximately 20%. Its four-point contact design provides high rigidity, precision, and load capacity in all directions, while the ball retainer and modular return system ensure easy interchangeability and reliable performance.	12
GMN-C / GMN-H	12
GMW-C / GMW-H	14

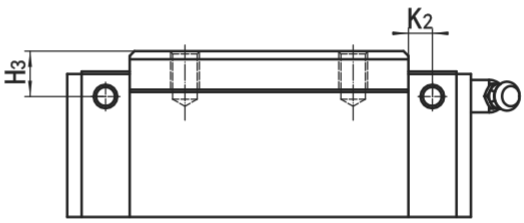
GH Series - Heavy Duty Ball Linear Guide

GHH-CA / GHH-HA





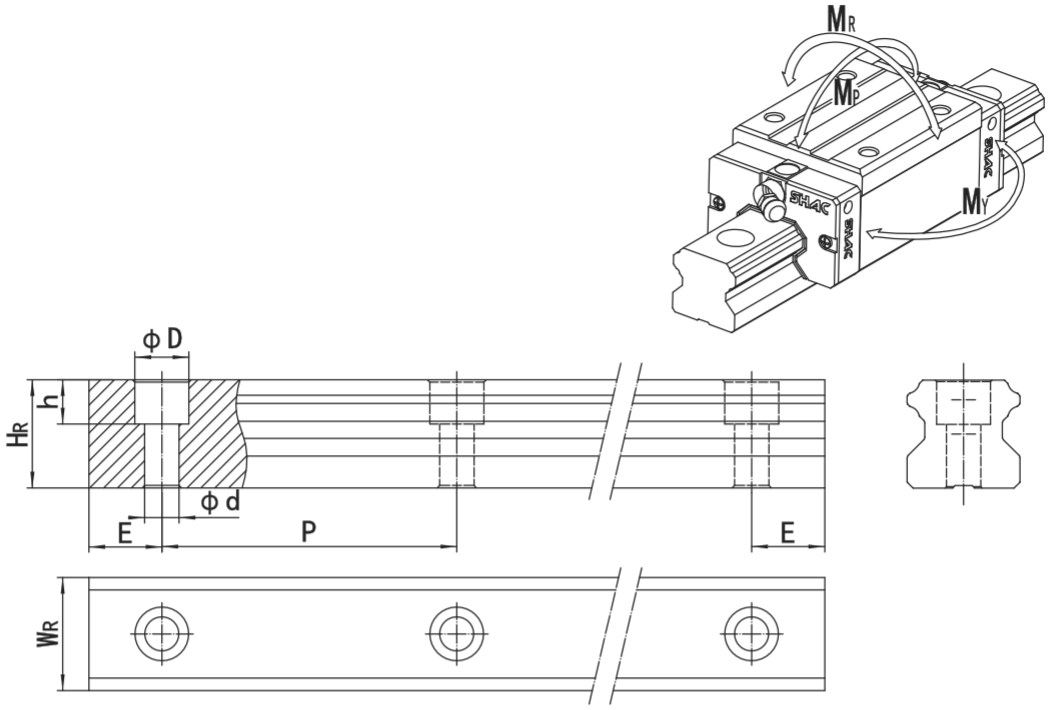




Model No.	Dimensions of Assembly (mm)			Dimensions of Block (mm)												
	H	H_1	N	W	B	B_1	C	L_1	L	K_1	K_2	G	M*I	T	H_2	H_3
GHH15CA	28	4.4	9.5	34	26	4	26	39.5	59.5	3.35	4.75	5.5	M4× 5	6	8	8
GHH20CA	30	4.3	12	44	32	6	36	50.5	74.5	5	6	12	M5× 6	8	6	6
GHH20HA							50	65.2	89.2							
GHH25CA	40	5.6	12.5	48	35	6.5	35	58	82	5	6	12	M6× 8	8	10	9.5
GHH25HA							50	78.6	102.6							
GHH30CA	45	5.5	16	60	40	10	40	70	96	6.5	5.5	12	M8× 10	8.5	10	9
GHH30HA							60	93	119							
GHH35CA	55	7.4	18	70	50	10	50	80	110.6	5.5	6.5	12	M8× 12	10.2	16	15
GHH35HA							72	105.8	136.4							
GHH45CA	70	9.5	20.5	86	60	13	60	97	135.4	4.8	8	13	M10× 17	16	21	20
GHH45HA							80	128.8	167.2							
GHH55CA	80	13	23.5	100	75	12.5	75	117.7	161.9	6	11	13	M12× 18	17.5	22	29
GHH55HA							95	155.8	200							
GHH65CA	90	15	31.5	126	76	25	70	144.2	194.2	6	14	13	M16× 20	25	15	15
GHH65HA							120	203.6	253.6							

Note : 1kgf = 9.81N

Visit our webshop!

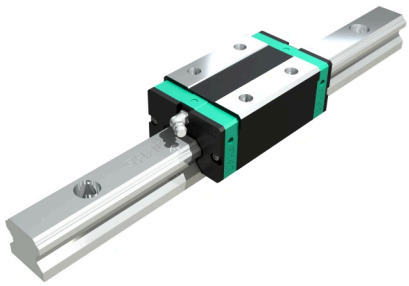


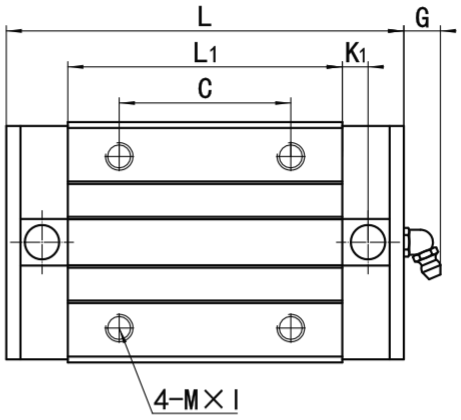
Model No.	Dimensions of Rail(mm)							Mounting Bolt for Rail	Basic Dynamic load Rating	Basic Static load Rating	Static Rated Monent			Weight	
	W_R	H_R	D	h	d	P	E	(mm)	C (KN)	C0 (KN)	M_R KN—m	M_P KN—m	M_Y KN—m	Block kg	Rail kg/m
GH15	15	15	7.5	5.3	4.5	60	20	M4× 16	14.26	22.88	0.12	0.10	0.10	0.19	1.42
GH20	20	17.5	9.5	8.5	6	60	20	M5× 16	26.29	35.76	0.26	0.20	0.20	0.33	2.2
									31.72	46.76	0.34	0.34	0.34	0.41	
GH25	23	22	11	9	7	60	20	M6× 20	33.85	51.5	0.41	0.32	0.32	0.53	3.25
									40.93	67.34	0.55	0.56	0.56	0.71	
GH30	28	26	14	12	9	80	20	M8× 25	47.77	70.79	0.65	0.52	0.52	0.92	4.49
									57.72	92.58	0.86	0.9	0.9	1.20	
GH35	34	29	14	12	9	80	20	M8× 25	63.63	92.47	1.14	0.79	0.79	1.53	6.36
									76.73	120.93	1.51	1.37	1.37	2.0	
GH45	45	38	20	17	14	105	22.5	M12× 35	102.24	144.51	1.94	1.52	1.52	2.82	10.45
									123.42	188.97	2.58	2.63	2.63	3.7	
GH55	53	44	23	20	16	120	30	M14× 45	150.14	207.01	3.62	2.59	2.59	3.48	15.12
									181.2	270.71	4.78	4.48	4.48	4.52	
GH65	63	53	26	22	18	150	35	M16× 50	208.94	281.73	6.52	4.18	4.18	7.56	21.25
									272.24	411.77	9.19	7.23	7.23	10.5	

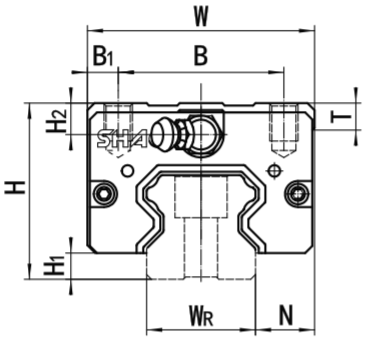
Note : 1kgf = 9.81N

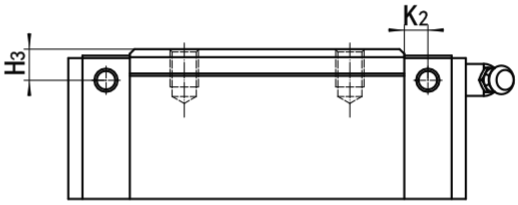
GH Series - Heavy Duty Ball Linear Guide

GHL-CA / GHL-HA





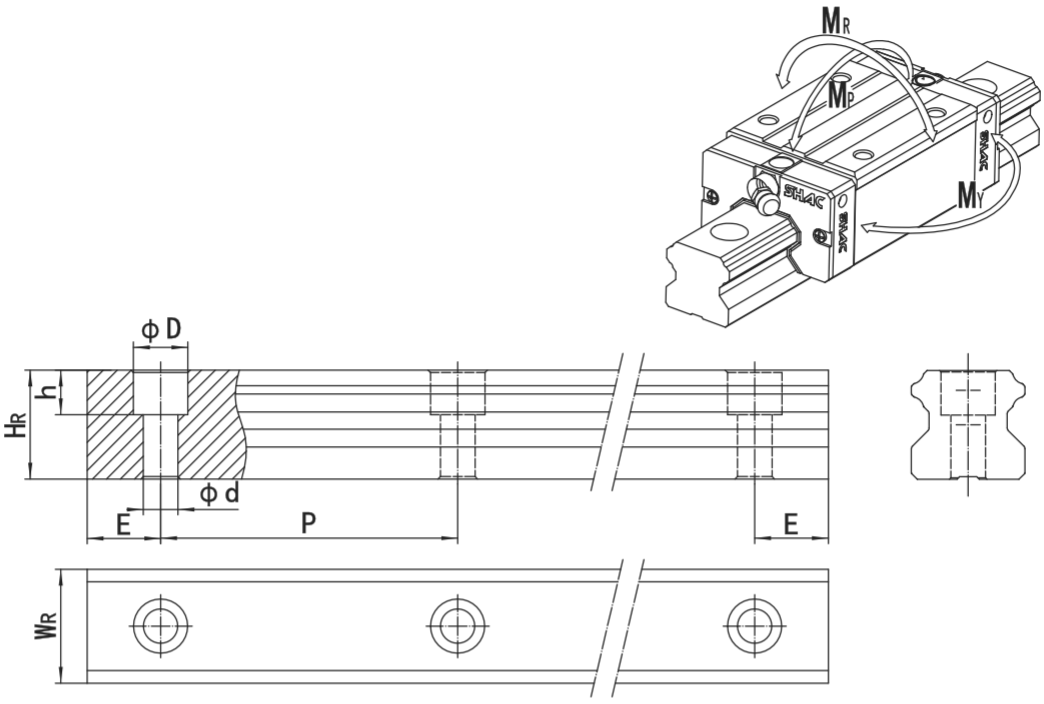




Model No.	Dimensions of Assembly (mm)			Dimensions of Block (mm)												
	H	H_1	N	W	B	B_1	C	L_1	L	K_1	K_2	G	M*l	T	H_2	H_3
GHL15CA	24	4.4	9.5	34	26	4	26	39.5	59.5	3.35	4.75	5.5	M4× 4	2	4	4
GHL25CA	36	5.6	12.5	48	35	6.5	35	58	82	5	6	12	M6× 6	4	6	5.5
GHL25HA							50	78.6	102.6							
GHL30CA	42	5.5	16	60	40	10	40	70	96	6.5	5.5	12	M8× 9	5.5	7	6
GHL30HA							60	93	119							
GHL35CA	48	7.4	18	70	50	10	50	80	110.6	5.5	6.5	12	M8× 9	3.2	9	8
GHL35HA							72	105.8	136.4							
GHL45CA	60	9.5	20.5	86	60	13	60	97	135.4	4.8	8	13	M10× 13	6	11	10
GHL45HA							80	128.8	167.2							
GHL55CA	70	13	23.5	100	75	12.5	75	117.7	161.9	6	11	13	M12× 18	7.5	12	19
GHL55HA							95	155.8	200							

Note : 1kgf = 9.81N

Visit our webshop!

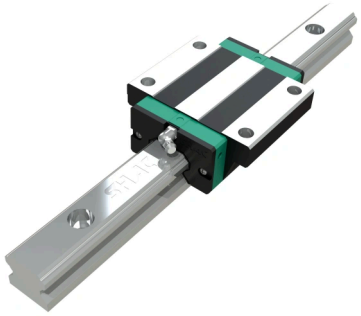


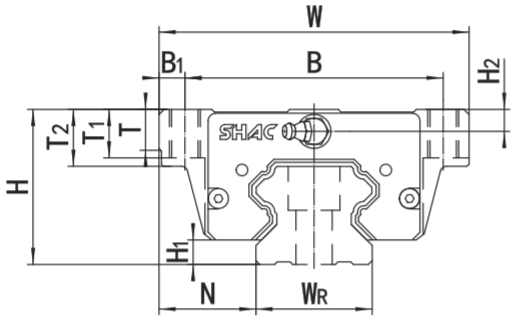
Model No.	Dimensions of Rail(mm)							Mounting Bolt for Rail	Basic Dynamic load Rating	Basic Static load Rating	Static Rated Monent			Weight	
	W_R	H_R	D	h	d	P	E	(mm)	C (KN)	C0 (KN)	M_R KN—m	M_P KN—m	M_Y KN—m	Block kg	Rail kg/m
GH15	15	15	7.5	5.3	4.5	60	20	M4× 16	14.26	22.88	0.12	0.10	0.10	0.15	1.42
GH25	23	22	11	9	7	60	20	M6× 20	33.85	51.5	0.41	0.32	0.32	0.44	3.25
									40.93	67.34	0.55	0.56	0.56	0.62	
GH30	28	26	14	12	9	80	20	M8× 25	47.77	70.79	0.65	0.52	0.52	0.82	4.49
									57.72	92.58	0.86	0.9	0.9	1.1	
GH35	34	29	14	12	9	80	20	M8× 25	63.63	92.47	1.14	0.79	0.79	1.22	6.36
									76.73	120.93	1.51	1.37	1.37	1.69	
GH45	45	38	20	17	14	105	22.5	M12× 35	102.24	144.51	1.94	1.52	1.52	2.17	10.45
									123.42	188.97	2.58	2.63	2.63	3.05	
GH55	53	44	23	20	16	120	30	M14× 45	150.14	207.01	3.62	2.59	2.59	2.56	15.12
									181.2	270.71	4.78	4.48	4.48	3.3	

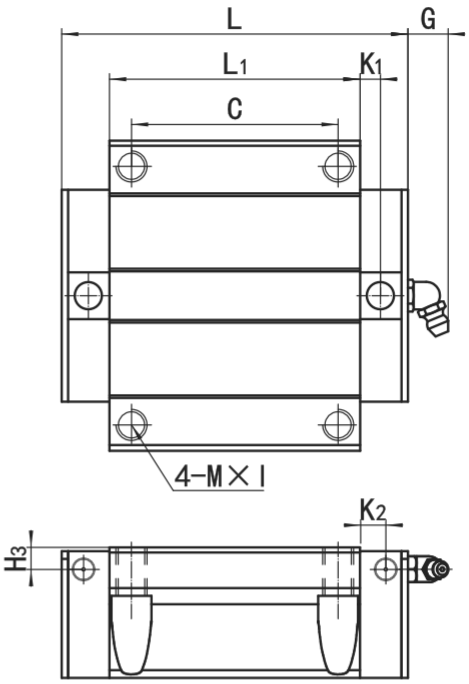
Note : 1kgf = 9.81N

GH Series - Heavy Duty Ball Linear Guide

GHW-CC / GHW-HC



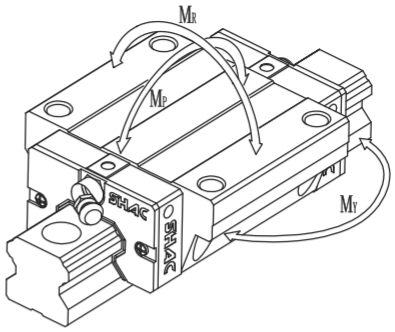


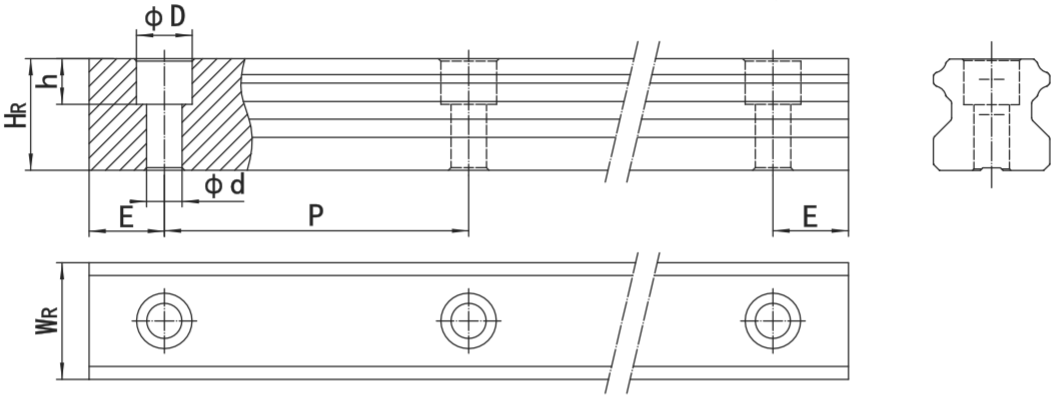


Model No.	Dimensions of Assembly (mm)			Dimensions of Block (mm)														
	H	H_1	N	W	B	B_1	C	L_1	L	K_1	K_2	G	M	T	T_1	T_2	H_2	H_3
GHW15CC	24	4.4	16	47	38	4.5	30	39.5	59.5	3.35	4.75	5	M5	6	7	8.9	4	4
GHW20CC	30	4.3	21.5	63	53	5	40	50.5	74.5	5	6	12	M6	8	9.5	10	6	6
GHW20HC								65.2	89.2									
GHW25CC	36	5.6	23.5	70	57	6.5	45	58	82	5	6	12	M8	8	10	14	6	5.5
GHW25HC								78.6	102.6									
GHW30CC	42	5.5	31	90	72	9	52	70	96	6.5	5.5	12	M10	8.5	10	16	7	6
GHW30HC								93	119									
GHW35CC	48	7.4	33	100	82	9	62	80	110.6	5.5	6.5	12	M10	10	13	18	9	8
GHW35HC								105.8	136.4									
GHW45CC	60	9.5	37.5	120	100	10	80	97	135.4	4.8	8	13	M12	15	15	22	11	10
GHW45HC								128.8	167.2									
GHW55CC	70	13	43.5	140	116	12	95	117.7	161.9	6	11	13	M14	17.5	17	26.5	12	19
GHW55HC								155.8	200									
GHW65CC	90	15	53.5	170	142	14	110	144.2	194.2	6	14	13	M16	25	23	37.5	15	15
GHW65HC								203.6	253.6									

Note : 1kgf = 9.81N

Visit our webshop!





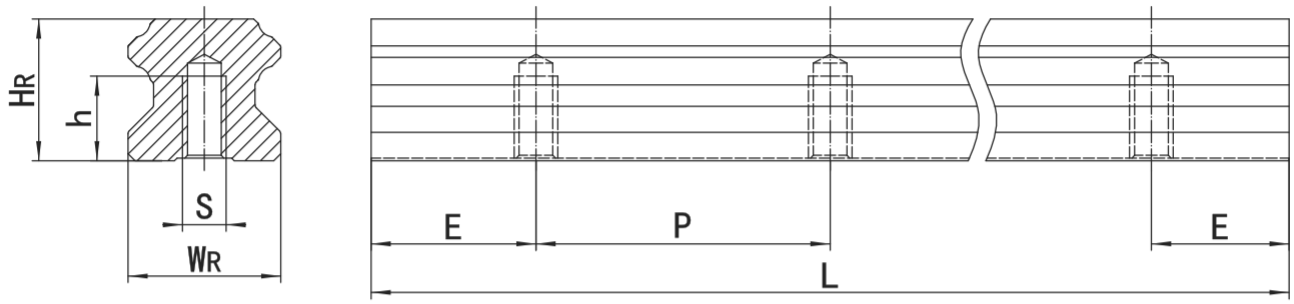
Model No.	Dimensions of Rail(mm)							Mounting Bolt for Rail	Basic Dynamic load Rating	Basic Static load Rating	Static Rated Monent			Weight	
	W_R	H_R	D	h	d	P	E	(mm)	C (KN)	C0 (KN)	M_R KN—m	M_P KN—m	M_Y KN—m	Block kg	Rail kg/m
GH15	15	15	7.5	5.3	4.5	60	20	M4× 16	14.26	22.88	0.12	0.10	0.10	0.18	1.42
GH20	20	17.5	9.5	8.5	6	60	20	M5× 16	26.29	35.76	0.26	0.20	0.20	0.41	2.2
									31.72	46.76	0.34	0.34	0.34	0.52	
GH25	23	22	11	9	7	60	20	M6× 20	33.85	51.5	0.41	0.32	0.32	0.58	3.25
									40.93	67.34	0.55	0.56	0.56	0.78	
GH30	28	26	14	12	9	80	20	M8× 25	47.77	70.79	0.65	0.52	0.52	1.05	4.49
									57.72	92.58	0.86	0.9	0.9	1.4	
GH35	34	29	14	12	9	80	20	M8× 25	63.63	92.47	1.14	0.79	0.79	1.55	6.36
									76.73	120.93	1.51	1.37	1.37	2.06	
GH45	45	38	20	17	14	105	22.5	M12× 35	102.24	144.51	1.94	1.52	1.52	2.73	10.45
									123.42	188.97	2.58	2.63	2.63	3.65	
GH55	53	44	23	20	16	120	30	M14× 45	150.14	207.01	3.62	2.59	2.59	4.5	15.12
									181.2	270.71	4.78	4.48	4.48	5.94	
GH65	63	53	26	22	18	150	35	M16× 50	208.94	281.73	6.52	4.18	4.18	9.35	21.25
									272.24	411.77	9.19	7.23	7.23	13.25	

Note : 1kgf = 9.81N

GH Series - Heavy Duty Ball Linear Guide

GHR-T Dimensions of Guide Rail Mounting form bottom

GHR-T

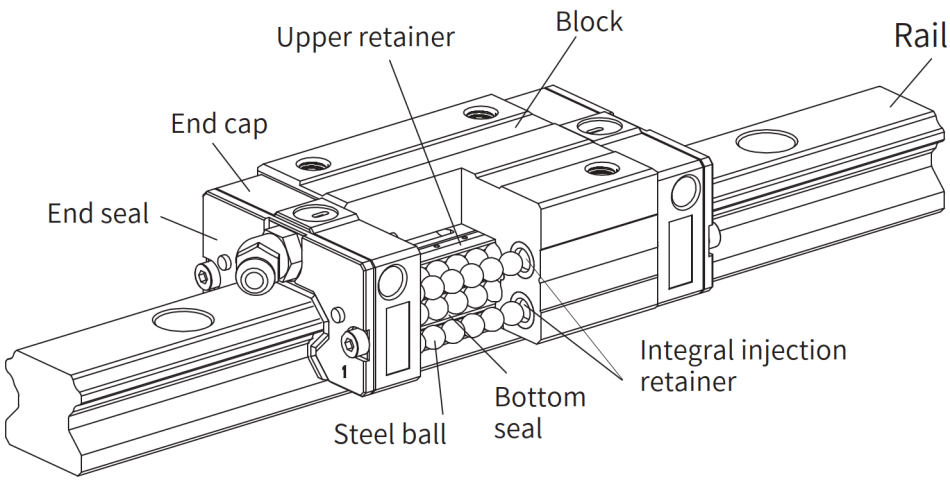


Model No.	Dimensions of Block (mm)					Weight
	W_R	H_R	S	h	P	(kg/m)
GHR15T	15	15	M5× 0.8P	8	60	1.45
GHR20T	20	17.5	M6× 1P	10	60	2.27
GHR25T	23	22	M6× 1P	12	60	3.34
GHR30T	28	26	M8× 1.25P	15	80	4.65
GHR35T	34	29	M8× 1.25P	17	80	6.5
GHR45T	45	38	M12× 1.75P	24	105	10.9
GHR55T	53	44	M14× 2P	24	120	15.65
GHR65T	63	53	M20× 2.5P	30	150	21.7

Note : 1kgf = 9.81N

SHAC®

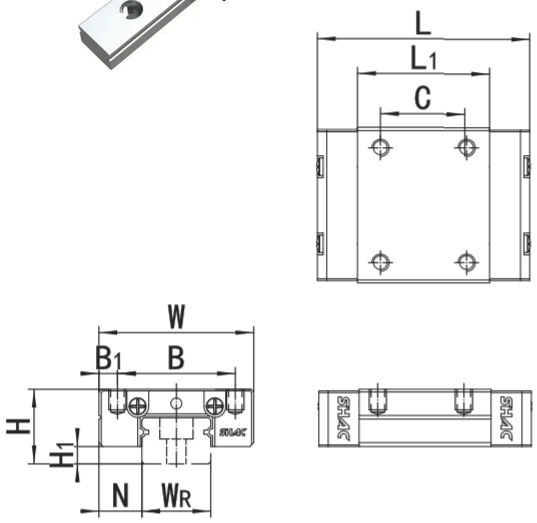
Visit our webshop!


Upper retainer
Block
Rail
End cap
End seal
Integral injection
retainer
Bottom
seal
Steel ball

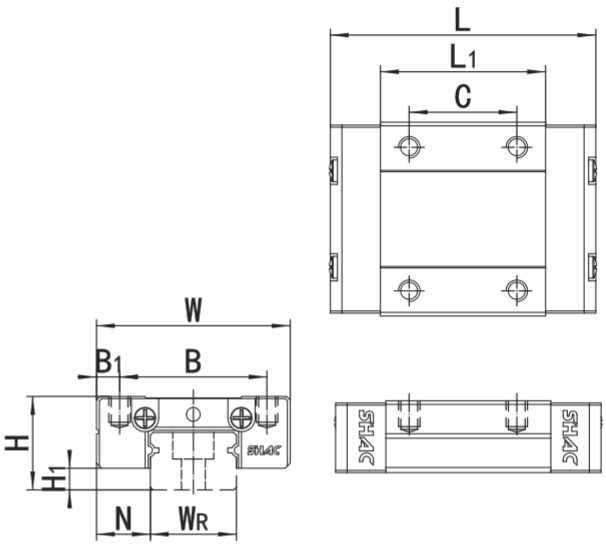
GM Series - Miniature Ball Linear Guides (injection structure type)

GMN-C / GMN-H





GMN7

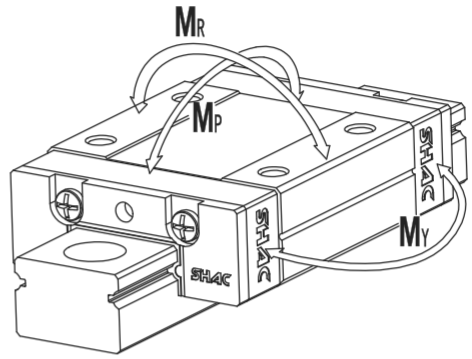


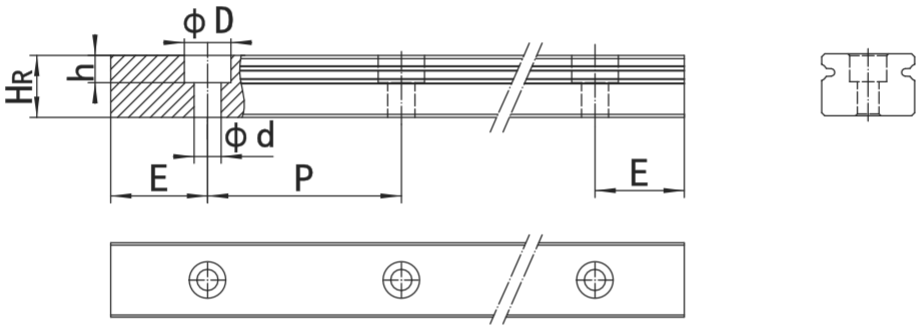
GMN9~15

Model No.	Dimensions of Assembly (mm)			Dimensions of Block (mm)									
	H	H_1	N	W	B	B_1	C	L_1	L	G	Gn	M*L	H_3
GMN7C	8	1.5	5	17	12	2.5	8	13.5	22.5	-	φ1.2	M2× 2.5	1.5
GMN7H							13	21.8	30.8				
GMN9C	10	2	5.5	20	15	2.5	10	19	28.9	-	φ1.4	M3× 3	1.8
GMN9H							16	30	39.9				
GMN12C	13	3	7.5	27	20	3.5	15	22.4	34.6	-	φ2	M3× 3.5	2.5
GMN12H							20	33.2	45.4				
GMN15C	16	4	8.5	32	25	3.5	20	26.5	42	4.5	M3	M3× 4	3
GMN15H							25	43	58.5				

1KN=100kgf

Visit our webshop!



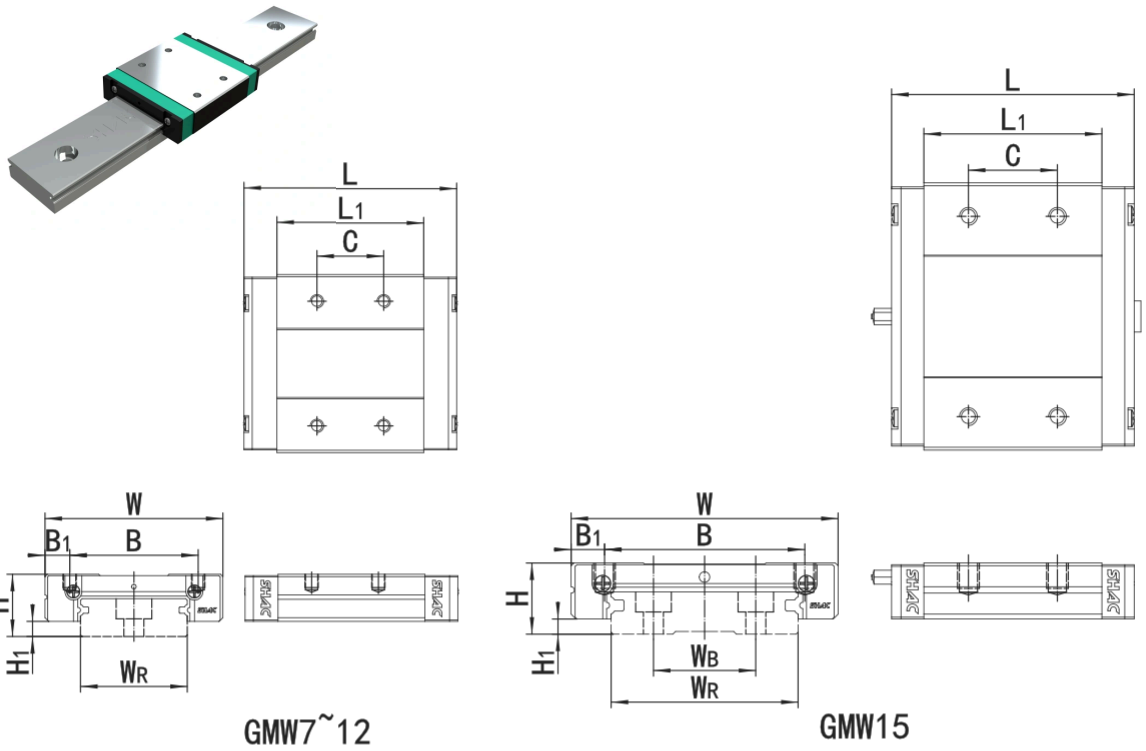


Model No.	Dimensions of Rail(mm)							Mounting Bolt for Rail	Basic Dynamic load Rating	Basic Static load Rating	Static Rated Monent			Weight	
	W_R	H_R	D	h	d	P	E	(mm)	C (KN)	C0 (KN)	M_R N—m	M_P N—m	M_Y N—m	Block kg	Rail kg/m
GMN7	7	5	4.2	2.3	2.4	15	5	M2× 6	1.45	1.88	5.3	3.01	3.01	0.01	0.23
									1.87	2.46	7.9	5.02	5.02	0.013	
GMN9	9	6.5	6	3.5	3.5	20	7.5	M3× 8	2.47	3.36	12.05	7.64	7.64	0.015	0.39
									3.52	5.61	20.3	19.43	19.43	0.023	
GMN12	12	8	6	4.5	3.5	25	10	M3× 8	3.58	4.77	27.61	15.44	15.44	0.033	0.66
									4.87	7.42	40.33	38.75	38.75	0.045	
GMN15	15	10	6	4.5	3.5	40	15	M3× 10	5.36	7.21	48.13	26.54	26.54	0.055	1.08
									7.44	11.54	76.58	60.49	60.49	0.085	

1KN=100kgf

GM Series - Miniature Ball Linear Guides (injection structure type)

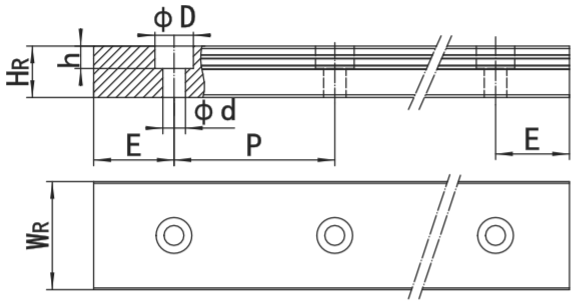
GMW-C / GMW-H

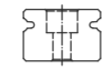


Model No.	Dimensions of Assembly (mm)			Dimensions of Block (mm)									
	H	H_1	N	W	B	B_1	C	L_1	L	G	Gn	M*L	H_3
GMW7C	9	1.9	5.5	25	19	3	10	21	31.2	-	φ1.2	M3× 3	1.85
GMW7H							19	30.8	41				
GMW9C	12	2.9	6	30	21	4.5	12	27.5	39.1	-	φ1.2	M3× 3	2.4
GMW9H					23	3.5	24	38.5	50.1				
GMW12C	14	3.4	8	40	28	6	15	33	45.6	-	φ1.2	M3× 3.6	2.8
GMW12H							28	46	58.6				
GMW15C	16	3.4	9	60	45	7.5	30	40	54	5.0	M3	M4× 4.2	3.2
GMW15H							35	59.8	73.8				

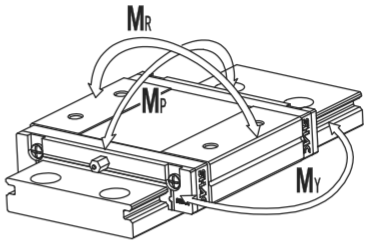
1KN=100kgf

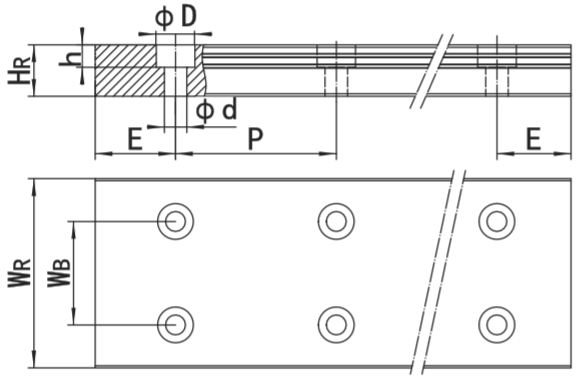
Visit our webshop!





GMW7~12





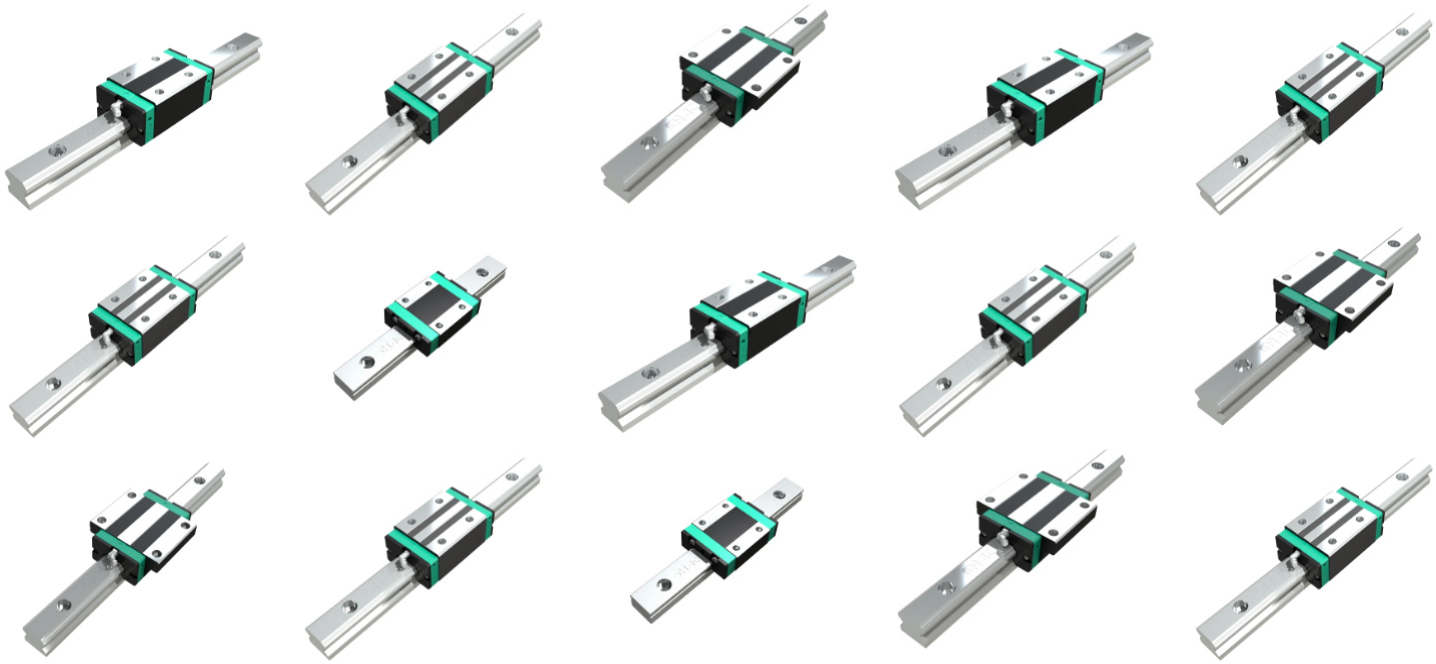


GMW15

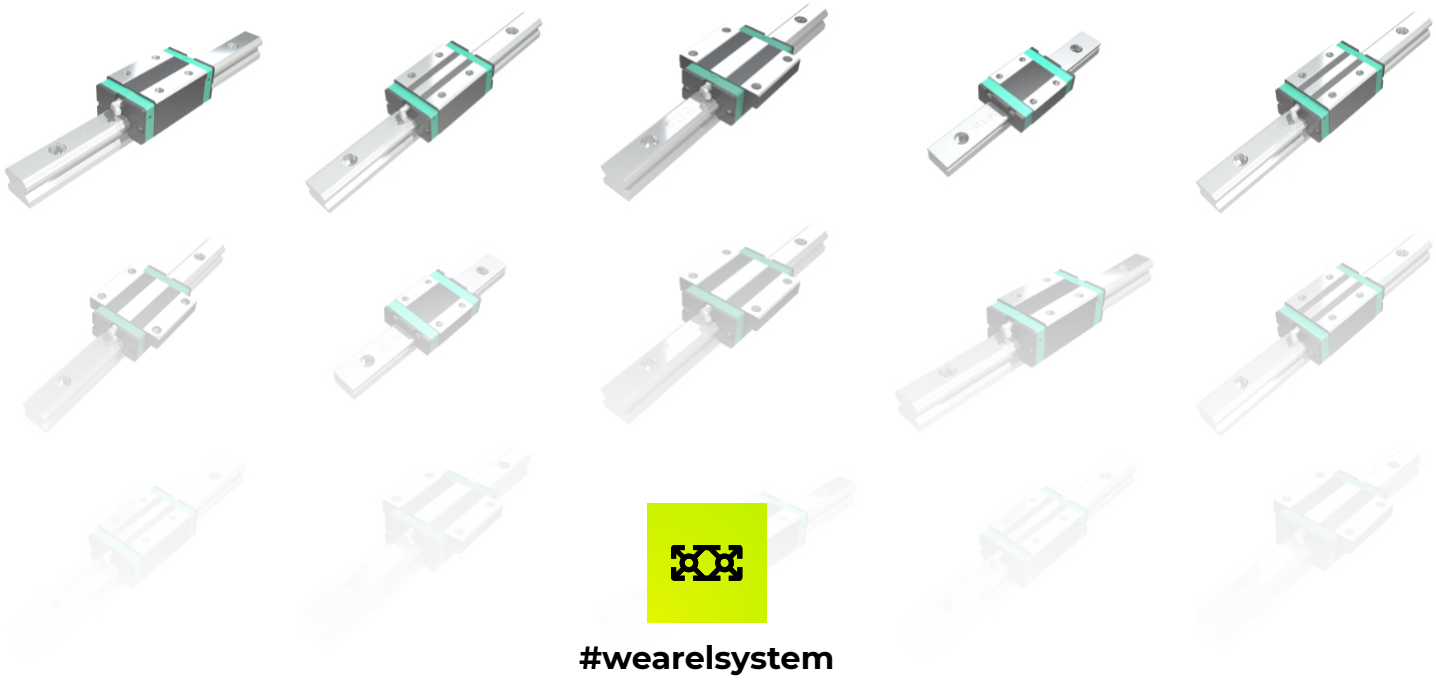
Model No.	Dimensions of Rail(mm)								Mounting Boit for Rail	Basic Dynamic load Rating	Basic Static load Rating	Static Rated Monent			Weight	
	W_R	W_B	H_R	D	h	d	P	E	(mm)	C (KN)	C0 (KN)	M_R N—m	M_P N—m	M_Y N—m	Block kg	Rail kg/m
GMW7	14	-	5.2	6	3.2	3.5	30	10	M3× 6	1.87	2.56	16.9	8.25	8.25	0.019	0.52
										2.28	3.65	26.77	18.56	18.56	0.024	
GMW9	18	-	7	6	4.5	3.5	30	10	M3× 8	3.36	5.23	42.65	20.11	20.11	0.038	0.92
										4.31	7.47	60.11	38.1	38.1	0.055	
GMW12	24	-	8.5	8	4.5	4.5	40	15	M4× 8	4.63	6.89	75.33	30.21	30.21	0.065	1.5
										6.03	10.06	105.8	60.4	60.4	0.09	
GMW15	42	23	9.5	8	4.5	4.5	40	15	M4× 10	8.09	11.3	200.56	60.42	60.42	0.14	2.88
										10.74	16.95	310.5	130.6	130.6	0.20	

1KN=100kgf

SHAC®



COMPONENTS & SOLUTIONS



#wearelsystem

L-SYSTEM AB | Mörsaregatan 20 | SE-254 66 HELSINGBORG | SWEDEN

Tel. +46 (0)42 38 61 50 | info@l-system.se