

## HG Series

### Heavy Load Ball Type

#### ○ Bolt caps for rail mounting holes

Caps are used to cover the mounting holes to prevent chips or other foreign objects from collecting in the holes. The caps will be enclosed in each rail package.

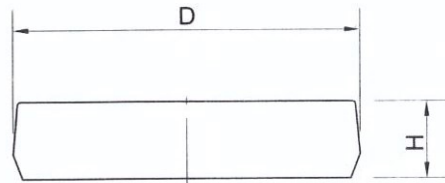


Table 2-1-19 Dimensions of Bolt Caps for Rail Mounting Holes

Rail size	Bolt size	Diameter(D) (mm)	Thickness(H) (mm)	Rail size	Bolt size	Diameter(D) (mm)	Thickness(H) (mm)
HGR15	M4	7.65	1.1	HGR35	M8	14.20	3.5
HGR20	M5	9.65	2.5	HGR45	M12	20.25	4.5
HGR25	M6	11.15	2.5	HGR55	M14	23.25	5.0
HGR30	M8	14.20	3.5	HGR65	M16	26.35	5.0

#### (5) Dimensions of block equipped with the parts

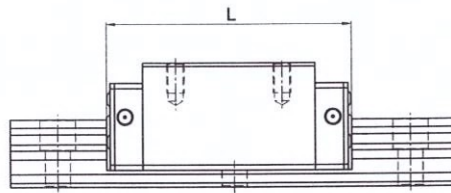


Table 2-1-20 Overall block length

unit: mm

Size	Overall block length [L]					
	SS/SH	ZZ/ZH	DD/DH	KK/KH	SW	ZW
HG15C	61.4 (61.8)	69.0 (69.0)	68.0 (68.4)	75.6 (75.6)	63.2 (63.2)	71.0 (71.0)
*HG20C	77.5 (79.3)	82.5 (84.5)	82.5 (84.3)	87.5 (89.5)	78.5 (78.5)	86.3 (87.7)
*HG20H	92.2 (94.0)	97.2 (99.2)	97.5 (99.0)	102.2 (104.2)	93.2 (93.2)	101.0 (102.4)
*HG25C	84.0 (85.0)	89.0 (91.0)	89.0 (90.0)	94.0 (96.0)	85.0 (85.0)	92.8 (94.8)
*HG25H	104.6 (105.6)	109.6 (111.6)	109.6 (110.6)	114.6 (116.6)	105.6 (105.6)	113.4 (115.4)
*HG30C	97.4 (99.4)	105.4 (107.4)	104.8 (106.8)	112.8 (114.8)	99.0 (100.4)	107.2 (109.2)
*HG30H	120.4 (122.4)	128.4 (130.4)	127.8 (129.8)	135.8 (137.8)	122.0 (123.4)	130.2 (132.2)
*HG35C	112.4 (114.4)	120.4 (122.4)	119.8 (121.8)	127.8 (129.8)	115.2 (116.0)	123.4 (125.4)
*HG35H	138.2 (140.2)	146.2 (148.2)	145.6 (147.6)	153.6 (155.6)	141.0 (141.8)	149.2 (151.2)
*HG45C	139.4 (139.4)	150.0 (150.0)	149.4 (149.4)	160.0 (160.0)	140.0 (140.0)	148.8 (150.2)
HG45H	171.2 (171.2)	181.8 (181.8)	181.2 (181.2)	191.8 (191.8)	171.8 (171.8)	180.6 (182.0)
HG55C	166.7 (166.7)	177.1 (177.1)	177.1 (177.1)	187.5 (187.5)	-	-
HG55H	204.8 (204.8)	215.2 (215.2)	215.2 (215.2)	225.6 (225.6)	-	-
HG65C	200.2 (200.2)	208.2 (208.2)	209.2 (209.2)	217.2 (217.2)	-	-
HG65H	259.6 (259.6)	267.6 (267.6)	268.6 (268.6)	276.6 (276.6)	-	-

Note : 1. For the marking of "\*", it means this specification is available for SH/ZH/DH/KH dust proof accessories.

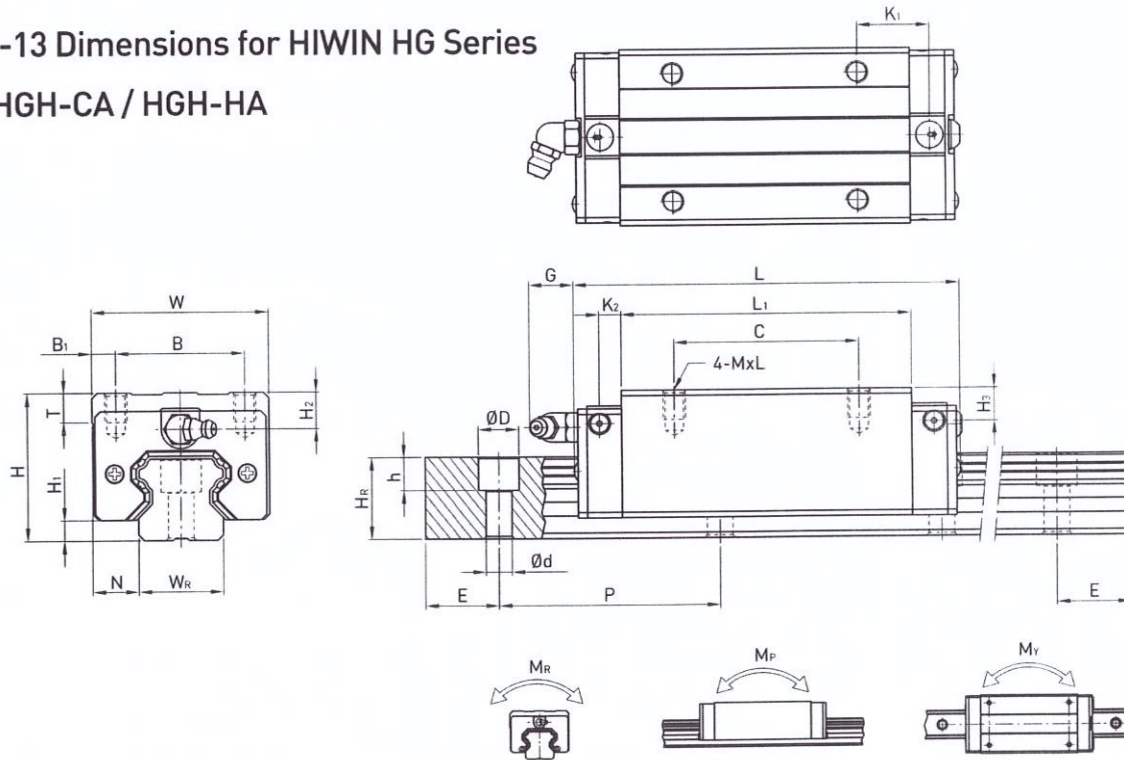
2. The marking of "L" denotes the maximum block length with screws, lips of end seals, etc.

## HG Series

### Heavy Load Ball Type

#### 2-1-13 Dimensions for HIWIN HG Series

##### (1) HGH-CA / HGH-HA



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 <sub>R</sub>	M <sub>P</sub>	M <sub>Y</sub>	Block	Rail
	H	H <sub>1</sub>	N	W	B	B <sub>1</sub>	C	L <sub>1</sub>	L	K <sub>1</sub>	K <sub>2</sub>	G	MxL	T	H <sub>2</sub>	H <sub>3</sub>	W <sub>R</sub>	H <sub>R</sub>	D	h	d	P	E	(mm)	C [kN]	C <sub>0</sub> [kN]	kN-m	kN-m	kN-m	kg	kg/m			
HGH15CA	28	4.3	9.5	34	26	4	26	39.4	61.4	10	4.85	5.3	M4x5	6	7.95	7.7	15	15	7.5	5.3	4.5	60	20	M4x16	14.7	23.47	0.12	0.10	0.10	0.18	1.45			
HGH20CA	30	4.6	12	44	32	6	36	50.5	77.5	12.25	6	12	M5x6	8	6	6	20	17.5	9.5	8.5	6	60	20	M5x16	27.1	36.68	0.27	0.20	0.20	0.30	2.21			
HGH20HA							50	65.2	92.2	12.6															32.7	47.96	0.35	0.35	0.35	0.39				
HGH25CA	40	5.5	12.5	48	35	6.5	35	58	84	15.7	6	12	M6x8	8	10	9	23	22	11	9	7	60	20	M6x20	34.9	52.82	0.42	0.33	0.33	0.51	3.21			
HGH25HA							50	78.6	104.6	18.5															42.2	69.07	0.56	0.57	0.57	0.69				
HGH30CA	45	6	16	60	40	10	40	70	97.4	20.25	6	12	M8x10	8.5	9.5	13.8	28	26	14	12	9	80	20	M8x25	48.5	71.87	0.66	0.53	0.53	0.88	4.47			
HGH30HA							60	93	120.4	21.75															58.6	93.99	0.88	0.92	0.92	1.16				
HGH35CA	55	7.5	18	70	50	10	50	80	112.4	20.6	7	12	M8x12	10.2	16	19.6	34	29	14	12	9	80	20	M8x25	64.6	93.88	1.16	0.81	0.81	1.45	6.30			
HGH35HA							72	105.8	138.2	22.5															77.9	122.77	1.54	1.40	1.40	1.92				
HGH45CA	70	9.5	20.5	86	60	13	60	97	139.4	23	10	12.9	M10x17	16	18.5	30.5	45	38	20	17	14	105	22.5	M12x35	103.8	146.71	1.98	1.55	1.55	2.73	10.41			
HGH45HA							80	128.8	171.2	28.9															125.3	191.85	2.63	2.68	2.68	3.61				
HGH55CA	80	13	23.5	100	75	12.5	75	117.7	166.7	27.35	11	12.9	M12x18	17.5	22	29	53	44	23	20	16	120	30	M14x45	153.2	211.23	3.69	2.64	2.64	4.17	15.08			
HGH55HA							95	155.8	204.8	36.4															184.9	276.23	4.88	4.57	4.57	5.49				
HGH65CA	90	15	31.5	126	76	25	70	144.2	200.2	43.1	14	12.9	M16x20	25	15	15	63	53	26	22	18	150	35	M16x50	213.2	287.48	6.65	4.27	4.27	7.00	21.18			
HGH65HA							120	203.6	259.6	47.8															277.8	420.17	9.38	7.38	7.38	9.82				

Note : 1 kgf = 9.81 N