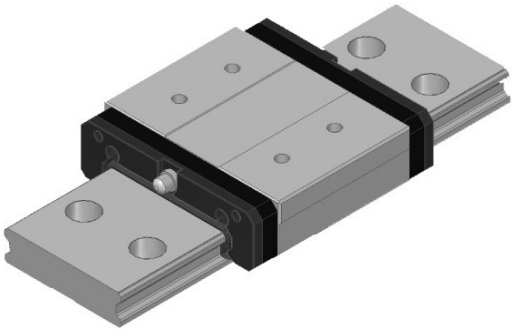
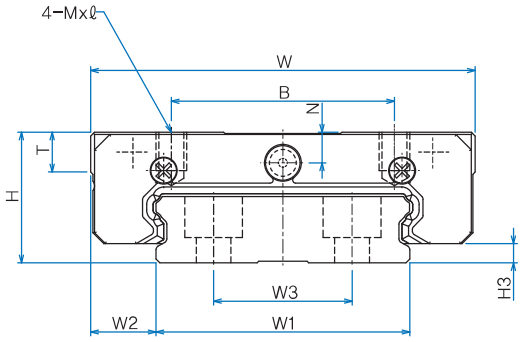
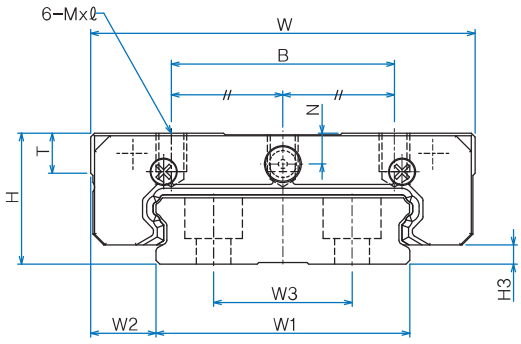
HB-R Series





HB17R Type, HB21R Type



HB27R Type, HB35R Type

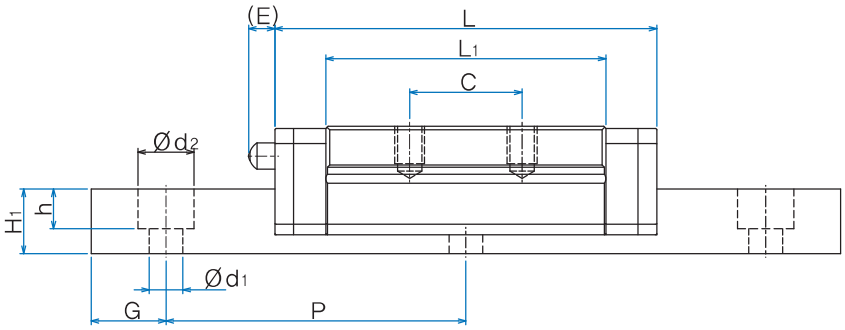
Model No.	External dimensions			Dimensions of block								H_3
	Height H	Width W	Length L	B	C	M X ℓ	L_1	T	N	E	Grease nipple	
HB17R	17	50	51	29	15	M4 X 5	37.4	5.2	4	3.5	A-Ø3	2.5
HB21R	21	54	59	31	19	M5 X 6	45.4	8	5	3.5	A-Ø3	3.3
HB27R	27	62	72.5	46	32	M6 X 6	54.7	10	6	10.3	B-M6F	3.5
HB35R	35	100	105.3	76	50	M8 X 8	82.1	14	7.6	10.3	B-M6F	4

Composition of Model Name & Number

HB17	R		UU	2		G_2	—	1000L	20/20		P		—	2
1	2	3	4	5	6	7		8	9	10	11	12		13

1. Model No.
2. Type of block : F–Flange standard type / R–Rectangular standard type
3. No symbol-Standard block / E-Special block specification
4. Type of seal : No symbol-No seal / UU–End seal / SS–End seal+ Inside seal / ZZ–End seal+ Inside seal+ Metal scraper / UULF -End seal+ LF seal / SSLF-End seal+ Inside seal+ LF seal / ZZLF-End seal+ Inside seal+ Metal scraper+ LF seal (*1)
5. Number of blocks assembled in one shaft
6. No symbol-Full ball type
7. Symbol of clearance : No symbol–Normal preload / G_1–Light preload / G_2–Heavy preload / G_S–Special preload (*2)
8. Length of rail
9. Size of G value: standard G value has no symbol
10. No symbol–Rail counterbore type (top assembly)
11. Symbol of precision : No symbol–Moderate / H–High / P–Precision / SP–Super precision / UP–Ultra precision (*3)
12. No symbol-Standard rail / E-special rail specification
13. Number of axes used in the same plane

(*1) See Symbol List of Optional Parts at page 113. (*2) See Radial Clearance at page 30.
(*3) See Selection of Precision Class at page 32.



Unit : mm

Dimensions of rail							Basic load rating		Static allowance moment kN·m					Mass	
Width W1 o -0.05	W2	W3	Height H1	G	Pitch P	d1xd2xh	C kN	Co kN	Mp		My		Mr	Block kg	Rail kg/m
									1 block	Double blocks	1 block	Double blocks	1 block		
33	8.5	18	8.6	15	40	4.5x7.5x5.3	7.3	12.2	0.081	0.381	0.081	0.381	0.205	0.13	1.9
37	8.5	22	11	15	50	4.5x7.5x5.3	8.4	14.8	0.119	0.547	0.119	0.547	0.278	0.19	2.9
42	10	24	15	20	60	4.5x7.5x5.3	15.3	24.8	0.239	1.114	0.239	1.114	0.527	0.36	4.5
69	15.5	40	19	20	80	7x11x9	33.9	53.2	0.773	3.528	0.773	3.528	1.851	1.20	9.6

1N ≈ 0.102kgf