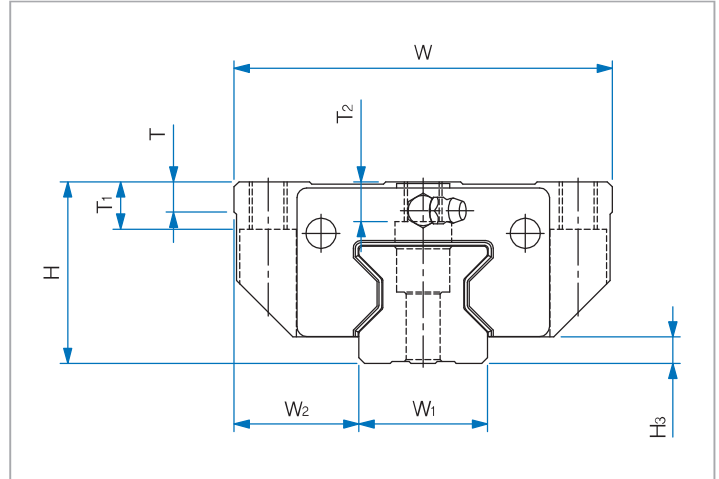
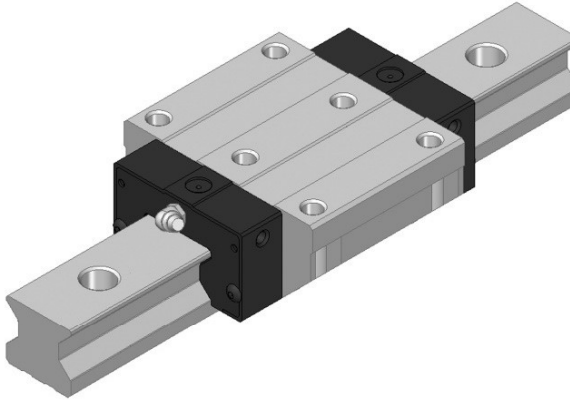
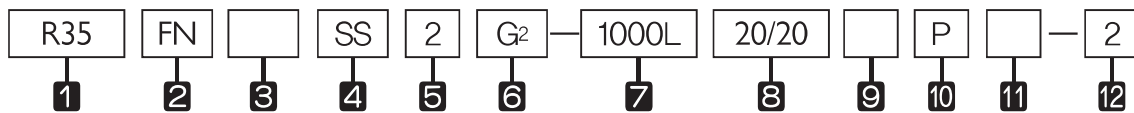


## R-FN Series, R-FL Series



Model No.	External dimensions			Dimensions of block														Grease nipple	H <sub>3</sub>
	HEIGHT H	Width W	Length L	B	C	C <sub>2</sub>	M	L <sub>1</sub>	T	T <sub>1</sub>	T <sub>2</sub>	N	E	θ <sub>1</sub>	N <sub>1</sub>	θ <sub>2</sub>			
R 25FN	36	70	92.2	57	45	40	M8	63.3	7.5	9	6.7	5.5	12	6	5.5	15.2	B-M6F	6.5	
R 25FL			110.2					81.3								24.2			
R 30FN	42	90	103.8	72	52	44	M10	71	8	11	8	6.5	12	6	6	16	B-M6F	7	
R 30FL			126.6					93.8								27.4			
R 35FN	48	100	118.3	82	62	52	M10	79.5	8	12.5	10.5	7.6	12	12	7.6	16	B-M6F	7	
R 35FL			142.3					103.5								28			
R 45FN	60	120	146.3	100	80	60	M12	101.7	10	15	13.5	8	16	12	8	17.9	B-PT1/8	9.5	
R 45FL			178.8					134.2								34.1			
R 55FN	70	140	168.6	116	95	70	M14	121.6	12	18	13.4	9	16	13.5	9	21.3	B-PT1/8	10	
R 55FL			207.7					160.7								40.9			
R 65FN	90	170	207.2	142	110	82	M16	146.2	15	25	24	13.8	16	18.5	13.8	29.1	B-PT1/8	13	
R 65FL			255.2					194.2								53.1			

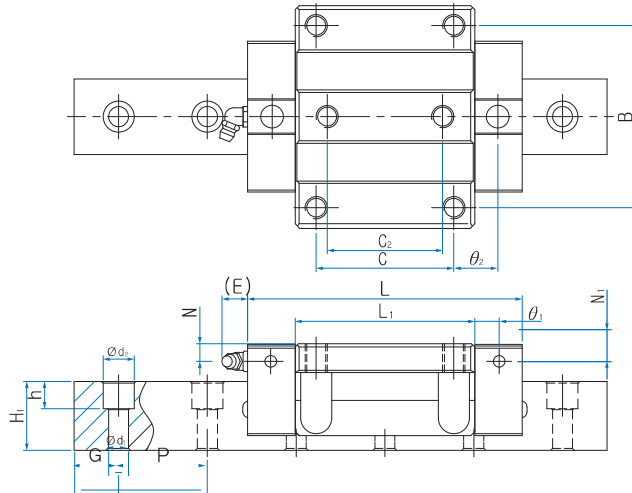
## Composition of Model Name & Number



- 1 Model No.
- 2 Type of block : **RN**–Rectangular standard type / **RL**–Rectangular long type/ **FN**–Flange standard type / **FL**–Flange long type
- 3 **No symbol**–Standard block / **E**–Special block specification
- 4 Type of seal : **SS**–End seal+ Inside seal / **ZZ**–End seal+ Inside seal+ Metal scraper (\*1)
- 5 Number of blocks assembled in one shaft
- 6 Symbol of clearance : **No symbol**–Normal preload / **G1**–Light preload / **G2**–Heavy preload / **Gs**–Special preload (\*2)
- 7 Length of rail
- 8 Size of G value: standard G value has no symbol
- 9 **No symbol**–Rail counterbore type (top assembly) / **A**– Rail tap hole type (bottom assembly) (\*3)
- 10 Symbol of precision : **No symbol**–Moderate / **H**–High / **P**–Precision / **SP**–Super precision / **UP**–Ultra precision (\*4)
- 11 **No symbol**–Standard rail / **E**–special rail specification
- 12 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 Standard Tap Hole Type of Rail at page 105. (\*4) See Selection of Precision Class at page 35.



Unit : mm

Width $W_1$ $\pm 0.05$	Dimensions of rail					Basic load rating		Static allowance moment (N·m)					Mass	
	$W_2$	Height $H_1$	$G$	Pitch $P$	$d_1 \times d_2 \times h$	$C$ iN	$C_0$ iN	$M_p$		$M_y$		$M_r$	Block kg	Rail kg/m
								1 block	Double blocks	1 block	Double blocks	1 block		
23	23.5	24	20	30	7x11x9.7	29.1	56.2	0.570	3.090	0.570	3.090	0.820	0.8	3.1
						35.6	73.1	0.925	4.949	0.925	4.949	1.065	1.1	
28	31	28	20	40	9x14x12	44.4	87.3	0.985	5.395	0.985	5.395	1.470	1.4	4.4
						55.0	114.8	1.640	8.946	1.640	8.946	1.935	1.9	
34	33	31	20	40	9x14x12	61.0	114.0	1.460	7.972	1.460	7.972	2.345	2.1	6.2
						75.6	150.0	2.450	13.036	2.450	13.036	3.090	2.8	
45	37.5	38	22.5	52.5	14x20x17	103.8	202.0	3.265	17.712	3.265	17.712	5.430	4.0	10.1
						132.3	276.2	5.840	30.565	5.840	30.565	7.440	5.3	
53	43.5	43.5	30	60	16x23x20	146.9	278.0	5.390	28.523	5.390	28.523	8.880	6.8	13.4
						181.9	380.3	8.960	49.534	8.960	49.534	11.690	8.9	
63	53.5	55	35	75	18x26x22	231.0	450.6	10.600	56.301	10.600	56.301	17.140	13.0	20.1
						303.0	576.0	18.160	91.519	18.160	91.519	21.910	17.2	

1N  $\approx$  0.102kgf

