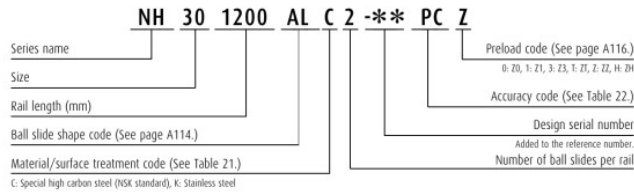
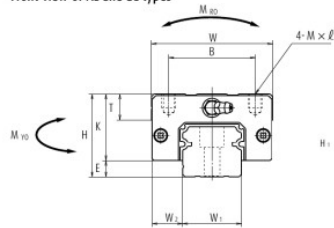


# A-5-1.1 NH Series

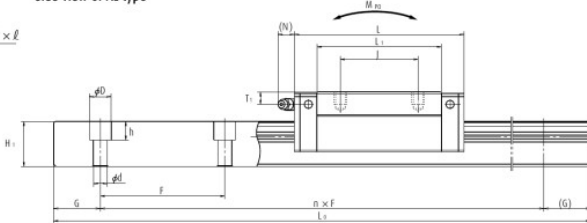
NH-AL (High-load type / Standard)  
NH-BL (Super-high-load type / Long)



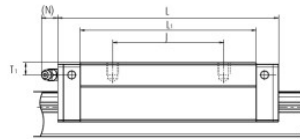
Front view of AL and BL types



Side view of AL type



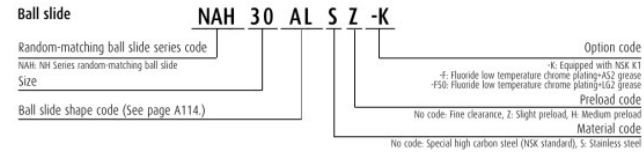
Side view of BL type



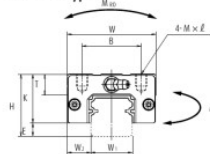
Model No.	Assembly			Ball slide										Width	Height	
	Height	E	W <sub>2</sub>	Width	Length	Mounting hole			Grease fitting							
						B	J	M × pitch × l	L <sub>1</sub>	K	T	Hole size	T <sub>1</sub>			N
NH25AL	36	7	12.5	48	79	35	35	M6×1×6	58	29	12	M6×0.75	6	11	23	22
NH25BL	36	7	12.5	48	107	35	50	M6×1×6	86	29	12	M6×0.75	6	11	23	22
NH30AL	42	9	16	60	85.6	40	40	M8×1.25×8	59	33	14	M6×0.75	7	11	28	26
NH30BL	42	9	16	60	124.6	40	60	M8×1.25×8	98	33	14	M6×0.75	7	11	28	26
NH35AL	48	9.5	18	70	109	50	50	M8×1.25×8	80	38.5	15	M6×0.75	8	11	34	29
NH35BL	48	9.5	18	70	143	50	72	M8×1.25×8	114	38.5	15	M6×0.75	8	11	34	29
NH45AL	60	14	20.5	86	139	60	60	M10×1.5×10	105	46	17	Rc1/8	10	13	45	38
NH45BL	60	14	20.5	86	171	60	80	M10×1.5×10	137	46	17	Rc1/8	10	13	45	38
NH55AL	70	15	23.5	100	163	75	75	M12×1.75×13	126	55	15	Rc1/8	11	13	53	44
NH55BL	70	15	23.5	100	201	75	95	M12×1.75×13	164	55	15	Rc1/8	11	13	53	44

Notes 1) External appearance of stainless steel ball slides differs from those of carbon steel ball slides.

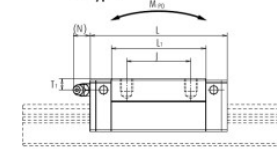
Reference number for ball slide of random-matching type



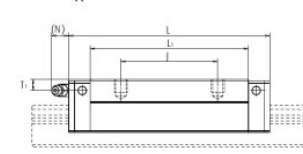
AL and BL types



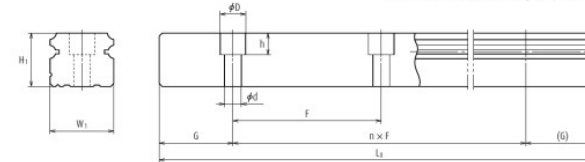
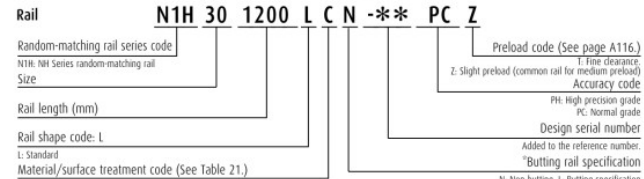
AL type



BL type



Reference number for rail of random-matching type



Unit: mm

Rail			Basic load rating								Weight		
Pitch	Mounting bolt hole d × D × h	G (reference)	Maximum length L <sub>0max</sub> ( ) for stainless	2) Dynamic		Static C <sub>0</sub> (N)	M <sub>R0</sub>	Static moment (N-m)				Ball slide (kg)	Rail (kg/m)
				[50km] C <sub>50</sub> (N)	[100km] C <sub>100</sub> (N)			M <sub>P0</sub>		M <sub>Y0</sub>			
				F				One slide	Two slides	One slide	Two slides		
60	7×11×9	20	3 960	33 500	26 800	46 000	360	320	1 840	267	1 540	0.46	3.6
60	7×11×9	20	(3 500)	45 500	36 500	71 000	555	725	3 700	610	3 100	0.69	3.6
80	9×14×12	20	4 000	41 000	32 500	51 500	490	350	2 290	292	1 920	0.69	5.2
80	9×14×12	20	(3 500)	61 000	48 500	91 500	870	1 030	5 600	865	4 700	1.16	5.2
80	9×14×12	20	4 000	62 500	49 500	80 500	950	755	4 500	630	3 800	1.2	7.2
80	9×14×12	20	4 000	81 000	64 500	117 000	1 380	1 530	8 350	1 280	7 000	1.7	7.2
105	14×20×17	22.5	3 990	107 000	84 500	140 000	2 140	1 740	9 750	1 460	8 150	2.2	12.3
105	14×20×17	22.5	3 990	131 000	104 000	187 000	2 860	3 000	15 600	2 520	13 100	2.9	12.3
120	16×23×20	30	3 960	158 000	125 000	198 000	3 600	3 000	16 300	2 510	13 700	3.7	16.9
120	16×23×20	30	3 960	193 000	153 000	264 000	4 850	5 150	26 300	4 350	22 100	4.7	16.9

2) The basic load rating comply with the ISO standard. (ISO 14728-1, 14728-2)  
C<sub>50</sub>: the basic dynamic load rating for 50 km rated fatigue life C<sub>100</sub>: the basic dynamic load rating for 100 km rated fatigue life  
The basic static load rating shows static permissible load.  
3) High-precision grade and medium preload of random-matching type are available for high-carbon steel products.