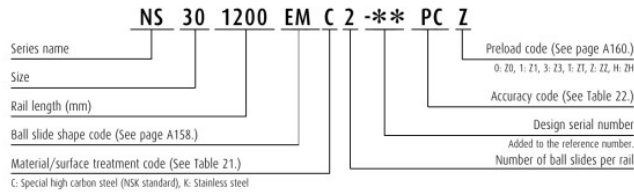
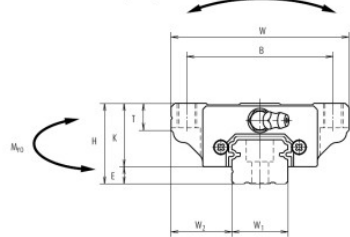


A-5-1.4 NS Series

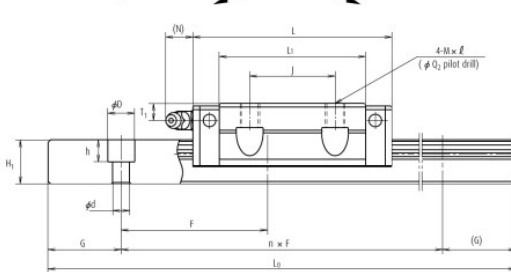
NS-JM (Medium-load type / Short)
NS-EM (High-load type / Standard)



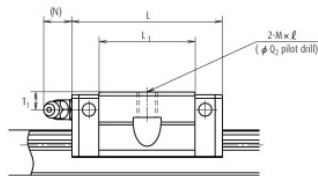
Front view of EM and JM types



Side view of EM type



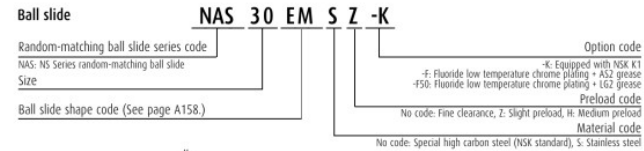
Side view of JM type



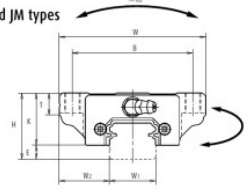
Model No.	Assembly		Ball slide											Width	Height		
	Height	E	W ₂	W	L	Mounting hole					Grease fitting					W ₁	H ₁
						B	J	M × pitch × ℓ	Q ₂	L ₁	K	T	Hole size				
NS15JM	24	4.6	18.5	52	40.4	41	-	M5×0.8×7	4.4	23.6	19.4	8	φ 3	6	3	15	12.5
NS15EM	24	4.6	18.5	52	56.8	41	26	M5×0.8×7	4.4	40	19.4	8	φ 3	6	3	15	12.5
NS20JM	28	6	19.5	59	47.2	49	-	M6×1×9	5.3	30	22	10	M6×0.75	5.5	11	20	15.5
NS20EM	28	6	19.5	59	65.2	49	32	(M6×1×9.5)	5.3	48	22	10	M6×0.75	5.5	11	20	15.5
NS25JM	33	7	25	73	59.6	60	-	M8×1.25×10	6.8	38	26	11	M6×0.75	7	11	23	18
NS25EM	33	7	25	73	81.6	60	35	(M8×1.25×11.5)	6.8	60	26	(12)	M6×0.75	7	11	23	18
NS30JM	42	9	31	90	67.4	72	-	M10×1.5×12	8.6	42	33	11	M6×0.75	8	11	28	23
NS30EM	42	9	31	90	96.4	72	40	(M10×1.5×14.5)	8.6	71	33	(15)	M6×0.75	8	11	28	23
NS35JM	48	10.5	33	100	77	82	-	M10×1.5×13	8.6	49	37.5	12	M6×0.75	8.5	11	34	27.5
NS35EM	48	10.5	33	100	108	82	50	(M10×1.5×14.5)	8.6	80	37.5	(15)	M6×0.75	8.5	11	34	27.5

Notes
1) External appearance of stainless steel ball slides differs from those of carbon steel ball slides.
2) Parenthesized dimensions are for items made of stainless steel.

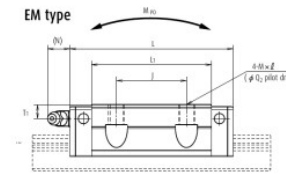
Reference number for ball slide of random-matching type



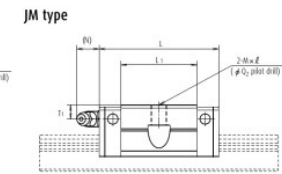
EM and JM types



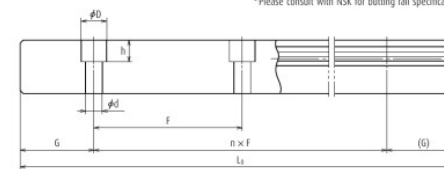
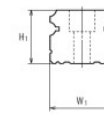
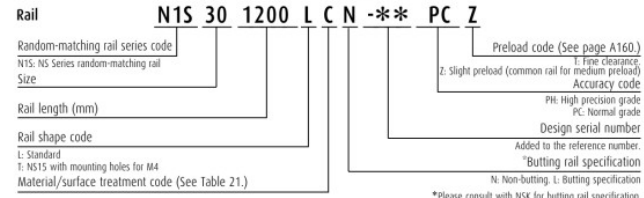
EM type



JM 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 _{0max} () for stainless	3) Dynamic		Static C ₀ (N)	M _{RO}	Static moment (N·m)				Ball slide (kg)	Rail (kg/m)
				[50km]	[100km]			M _{PO}	M _{YO}				
				C ₅₀ (N)	C ₁₀₀ (N)	One slide	Two slides		One slide	Two slides			
60	*3.5×6×4.5	20	2 920	7 250	5 750	9 100	45.5	24.5	196	20.5	165	0.17	1.4
60	4.5×7.5×5.3	20	(1 700)	11 200	8 850	16 900	84.5	77	470	64.5	395	0.26	1.4
60	6×9.5×8.5	20	3 960	10 600	8 400	13 400	91.5	46.5	330	39	279	0.24	2.3
60	6×9.5×8.5	20	(3 500)	15 600	12 400	23 500	160	133	755	111	630	0.35	2.3
60	7×11×9	20	3 960	17 700	14 000	20 800	164	91	655	76	550	0.44	3.1
60	7×11×9	20	(3 500)	26 100	20 700	36 500	286	258	1 470	217	1 230	0.66	3.1
80	7×11×9	20	4 000	24 700	19 600	29 600	282	139	1 080	116	905	0.76	4.8
80	7×11×9	20	(3 500)	38 000	30 000	55 000	520	435	2 650	365	2 220	1.2	4.8
80	9×14×12	20	4 000	34 500	27 300	40 000	465	220	1 670	185	1 400	1.2	7.0
80	9×14×12	20	(3 500)	52 500	42 000	74 500	865	695	4 000	580	3 350	1.7	7.0

3) The basic load rating comply with the ISO standard. (ISO 14728-1, 14728-2)
C₅₀: the basic dynamic load rating for 50 km rated fatigue life C₁₀₀: the basic dynamic load rating for 100 km rated fatigue life
The basic static load rating shows static permissible load.
4) High-precision grade and medium preload of random-matching type are available for special high carbon steel products.
* Standard mounting hole of NS15 rail is for M3 bolts (Hole size: 3.5 × 6 × 4.5).
If you require mounting hole for M4 bolts (Hole size: 4.5 × 7.5 × 5.3), please specify when ordering.