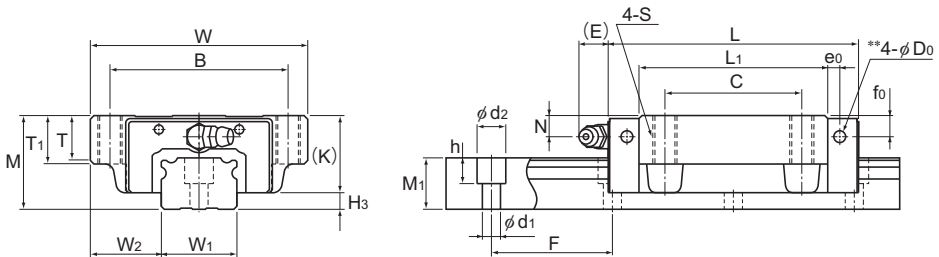


Models NRS-A and NRS-LA



Model NRS-A

Model No.	Outer dimensions			LM block dimensions														Grease nipple	H ₃
	Height	Width	Length	B	C	S × ℓ	L ₁	T	T ₁	K	N	f ₀	E	e ₀	D ₀				
	M	W	L																
NRS 25XA NRS 25XLA	31	72	82.8 102	59	45	M8 × 16	62.4 81.6	14.8	16	25.5	7	7	12	4	3.9	B-M6F	5.5		
NRS 30A NRS 30LA	38	90	98 120.5	72	52	M10 × 18	70.9 93.4	16.8	18	31	7	7	12	5	3.9	B-M6F	7		
NRS 35A NRS 35LA	44	100	109.5 135	82	62	M10 × 20	77.9 103.4	18.8	20	35	8	8	12	6	5.2	B-M6F	9		
NRS 45A NRS 45LA	52	120	139 171	100	80	M12 × 22	105 137	20.5	22	40.5	10	8	16	7	5.2	B-PT1/8	11.5		
NRS 55A NRS 55LA	63	140	162.8 200	116	95	M14 × 24	123.6 160.8	22.5	24	49	11	10	16	8	5.2	B-PT1/8	14		
NRS 65A NRS 65LA	75	170	185.6 245.6	142	110	M16 × 28	143.6 203.6	26	28	60	16	15	16	9	8.2	B-PT1/8	15		
NRS 75A NRS 75LA	83	195	218 274	165	130	M18 × 30	170.2 226.2	28	30	68	18	17	16	9	8.2	B-PT1/8	15		
NRS 85A NRS 85LA	90	215	246.7 302.8	185	140	M20 × 34	194.9 251	32	34	73	20	20	16	10	8.2	B-PT1/8	17		
NRS 100A NRS 100LA	105	260	286.2 326.2	220	150 200	M20 × 38	223.4 263.4	35	38	85	23	23	10	12	8.2	B-PT1/4	20		

Model number coding

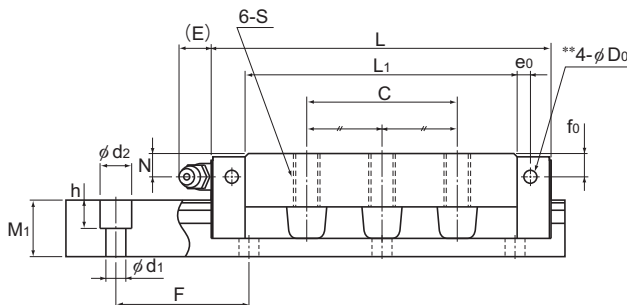
NRS45	LA	2	QZ	SSH	C0	+2040L	P	Z	T	-II
Model number	Type of LM block	No. of LM blocks used on the same rail	With QZ Lubricator	Contamination protection accessory symbol (*1)	Radial clearance symbol (*2) Normal (No symbol) Light preload (C1) Medium preload (C0)	LM rail length (in mm)	Accuracy symbol (*3) Normal grade (No Symbol)/High accuracy grade (H) Precision grade (P)/Super precision grade (SP) Ultra precision grade (UP)	Symbol for LM rail jointed use With plate cover or steel tape (*4)	Symbol for No. of rails used on the same plane (*5)	

(*1) See contamination protection accessory on **A1-510** (*2) See **A1-70**. (*3) See **A1-77**.

(*4) Specify the plate cover or the steel tape. (*5) See **A1-13**.

Note) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)

Those models equipped with QZ Lubricator cannot have a grease nipple.



Model NRS-LA

Unit: mm

LM rail dimensions							Basic load rating		Static permissible moment kN-m*					Mass	
Width W ₁ 0 -0.05	W ₂	Height M ₁	Pitch F	d ₁ × d ₂ × h	Length* Max	C kN	C ₀ kN	M _A		M _B		M _C	LM block kg	LM rail kg/m	
								1 block	Double blocks	1 block	Double blocks	1 block			
															0.568 0.926
25	23.5	17	40	6 × 9.5 × 8.5	3000	25.9 34.5	59.8 79.7	0.568 0.926	2.84 4.6	0.568 0.926	2.84 4.6	0.633 0.846	0.58 0.77	3.1	
28	31	21	80	7 × 11 × 9	3000	38.2 51	86.1 115	0.926 1.6	4.86 7.83	0.926 1.6	4.86 7.83	1.02 1.36	1.1 1.4	4.3	
34	33	24.5	80	9 × 14 × 12	3000	49.5 67.2	109 148	1.28 2.29	6.92 11.3	1.28 2.29	6.92 11.3	1.54 2.09	1.5 1.9	6.2	
45	37.5	29	105	14 × 20 × 17	3000	75.3 98.8	163 214	2.47 4.34	13 20.5	2.47 4.34	13 20.5	3.09 4.06	2.7 3.5	9.8	
53	43.5	36.5	120	16 × 23 × 20	3000	103 133	220 284	3.97 6.49	20.5 32	3.97 6.49	20.5 32	4.86 6.28	4.4 5.7	14.5	
63	53.5	43	150	18 × 26 × 22	3000	148 204	309 425	6.45 12.3	32.9 58.6	6.45 12.3	32.9 58.6	8.11 11.1	7.6 10.9	20.3	
75	60	44	150	22 × 32 × 26	3000	212 278	431 566	10.6 18.6	53.8 87	10.6 18.6	53.8 87	13.4 17.6	11.3 15	24.6	
85	65	48	180	24 × 35 × 28	3000	264 342	531 687	14.9 25.4	75.3 117	14.9 25.4	75.3 117	18.7 24.2	16.2 20.7	30.5	
100	80	57	210	26 × 39 × 32	3000	376 470	737 920	25.1 34.6	123 174	25.1 34.6	123 174	30.4 38.1	26.7 31.2	42.6	

Note) Pilot holes for side nipples** are not drilled through in order to prevent foreign material from entering the product.

THK will mount grease nipples per your request. Therefore, do not use the side nipple pilot holes** for purposes other than mounting a grease nipple.

The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-238**.)

Static permissible moment*: 1 block: static permissible moment value with 1 LM block

Double blocks: static permissible moment value with 2 blocks closely contacting with each other