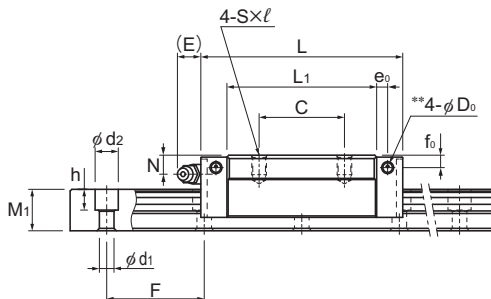
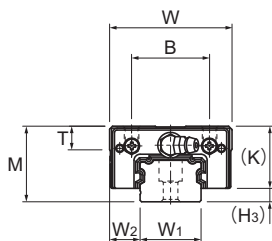


# Models NRS-RX, NRS-LRX, NRS-R, and NRS-LR



Model NRS-RX

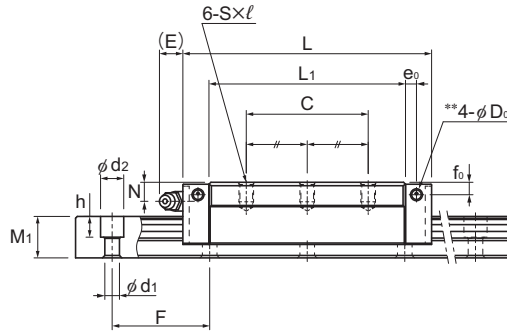
Model No.	Outer dimensions			LM block dimensions													Grease nipple	H <sub>3</sub>
	Height	Width	Length	B	C	S×ℓ	L <sub>1</sub>	T	K	N	f <sub>0</sub>	E	e <sub>0</sub>	D <sub>0</sub>				
	M	W	L															
NRS 25RX NRS 25LRX	31	50	82.8 102	32	35 50	M6×8	61.4 80.6	9.7	25.5	7.8	5.1	12	4.5	3.9	B-M6F	5.5		
NRS 30RX NRS 30LRX	38	60	98 120.5	40	40 60	M8×10	72.1 94.6	9.7	31	10.3	7	12	6.5	3.9	B-M6F	7		
NRS 35RX NRS 35LRX	44	70	109.5 135	50	50 72	M8×12	79 104.5	11.7	35	12.1	8	12	6	5.2	B-M6F	9		
NRS 45RX NRS 45LRX	52	86	138.2 171	60	60 80	M10×17	105 137.8	14.7	40.4	13.9	8	16	8.5	5.2	B-PT1/8	11.6		
NRS 55RX NRS 55LRX	63	100	163.3 200.5	65	75 95	M12×18	123.6 160.8	17.7	49	16.6	10	16	10	5.2	B-PT1/8	14		
NRS 65RX NRS 65LRX	75	126	186 246	76	70 110	M16×20	143.6 203.6	21.6	60	19	15	16	8.7	8.2	B-PT1/8	15		
NRS 75R NRS 75LR	83	145	218 274	95	80 130	M18×25	170.2 226.2	25.3	68	18	17	16	9	8.2	B-PT1/8	15		
NRS 85R NRS 85LR	90	156	246.7 302.8	100	80 140	M18×25	194.9 251	27.3	73	20	20	16	10	8.2	B-PT1/8	17		
NRS 100R NRS 100LR	105	200	286.2 326.2	130	150 200	M18×27	223.4 263.4	34.3	85	23	23	10	12	8.2	B-PT1/4	20		

## Model number coding

<b>NRS45</b>	<b>LRX</b>	<b>2</b>	<b>QZ</b>	<b>ZZHH</b>	<b>C0</b>	<b>+1200L</b>	<b>P</b>	<b>T</b>	<b>-II</b>
Model number	Type of LM block	No. of LM blocks used on the same rail	With QZ Lubricator	Contamination protection accessory symbol	Radial clearance symbol Normal (No symbol)/Light preload (C1) Medium preload (C0)	LM rail length (in mm)	Symbol for LM rail jointed use	Accuracy symbol Normal grade (No Symbol)/High accuracy grade (H) Precision grade (P)/Super precision grade (SP) Ultra precision grade (UP)	Symbol for No. of rails used on the same plane

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.)

Grease nipples are not installed when there is a QZ Lubricator. Contact THK if you want to use a grease nipple for a model with a QZ. See **■1-545** for contamination protection accessories, see **■1-73** for radial clearance symbol. See **■1-79** for accuracy symbol. See **■1-13** for symbol for number of rails used on the same plane.



Model NRS-LRX

Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment kN·m*					Mass	
Width W <sub>1</sub> 0 -0.05	Height W <sub>2</sub>	Pitch M <sub>1</sub>	Pitch F	Length* d <sub>1</sub> × d <sub>2</sub> × h	Length* Max	C kN	C <sub>0</sub> kN	M <sub>A</sub>		M <sub>B</sub>		M <sub>C</sub>	LM block kg	LM rail kg/m
								1 block	Double blocks	1 block	Double blocks	1 block		
25	12.5	17	40	6 × 9.5 × 8.5	3000	28.4 34.7	52.2 69.6	0.457 0.786	2.43 3.9	0.422 0.727	2.25 3.61	0.552 0.732	0.4 0.5	2.9
28	16	21	80	7 × 11 × 9	3000	41.9 51.2	75.2 100.2	0.785 1.36	4.12 6.62	0.726 1.26	3.82 6.13	0.896 1.19	0.7 0.9	4.2
34	18	24.5	80	9 × 14 × 12	3000	55.5 68.6	95.5 129.5	1.09 1.95	5.88 9.61	1.01 1.81	5.45 8.9	1.36 1.84	1 1.3	6
45	20.5	29	105	14 × 20 × 17	3090	84.4 101.1	151.4 195.9	2.23 3.87	11.7 18.3	2.07 3.57	10.8 16.9	2.9 3.75	1.8 2.3	9.5
53	23.5	36.5	120	16 × 23 × 20	3060	108.7 134.1	191.6 259.3	3.36 5.76	17.4 28.4	3.1 5.32	16.1 26.3	4.19 5.67	3.3 4.3	14
63	31.5	43	150	18 × 26 × 22	3000	159.8 206	269.4 387.2	5.46 10.9	27.8 51.9	5.05 10.1	25.8 48	6.97 10.02	6 8.5	19.6
75	35	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	8.7 11.6	24.6
85	35.5	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	12.3 15.8	30.5
100	50	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	21.8 26.1	42.6

Note1) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See [A1-240](#).)

Static permissible moment\* 1 block: the static permissible moment with one LM block

Double blocks: static permissible moment when two LM blocks are in close contact with each other

For oil lubrication, be certain to let THK know the mounting orientation and where the LM block piping joint should be attached.

(Mounting orientation: see [A1-12](#), Lubricant: see [A24-2](#))

Total block length L

: The total block length L shown in the table is the length with the dust proof parts, code UU or SS.

If other contamination protection accessories or lubricant equipment are installed, the total block length will increase.

(See [A1-519](#) or [A1-541](#))

\*\* These are the side nipple pilot holes for when a grease nipple is desired for a product with LaCS or a QZ Lubricator.

Pilot holes for side nipples are not drilled through for models other than those stated above.

For grease nipple mount machining, contact THK.

Note2) The basic load rating in the dimension table is for a load in the radial direction. Use Table 7 on [A1-61](#) to calculate the load rating for loads in the reverse radial direction or lateral direction.